

‘Off the Shelf Posts’

Post Processor library Turning Centers (lathes) only

Note that these post processor program are supplied “AS IS”. Read the disclaimer on the following page prior to using any of these post.

Since our customers constantly ask ‘Do you have a post off the shelf’, we decided to put most of the custom post we have written into a book. This book is for helping you easily pick a post processor for a mill.

All these posts were written based on information supplied by the customer who purchased the post. They are all customized to varying degrees, but we tried not to included any post that were highly customized to one shops specific needs. We went through and had our best post programmer look at and comment on the source code of each post. These comments are not necessarily about the output but about the source code programming itself. A good choice are the ‘Dealer standard’ posts. These posts are speced out by dealers who bundle Shopcam with their Machine tools. Avoid posts that are highly customized or have features you don’t need. Make sure to read the helpfile associated with the post. It will have the same name as the post with a .txt extension.

The posts are listed two ways. 1) By the control 1) By the machine. We do not verify the post was for a certain machine. So don’t take the actual control model number to serious. Since controls are put on different machines, we suggest you search by control first. We listed the sample output on one page per post. Some long lines of code may have wrapped to the next line. Especially on two column long lines with spaces.

Most of the posts are written to output coordinates in inch mode regardless of the part program mode. Maybe 15% support both based on the mode the part program was written in. A couple output in metric regardless of the part program mode.

Having a post processor fine tuned to your needs is well worth the small fee. If you decide to order a custom post, pick one that is close to your needs. This will reduce our time it takes to program a post exactly the way you want. Make sure to follow the ‘Post processor revision checklist’ on page 4.

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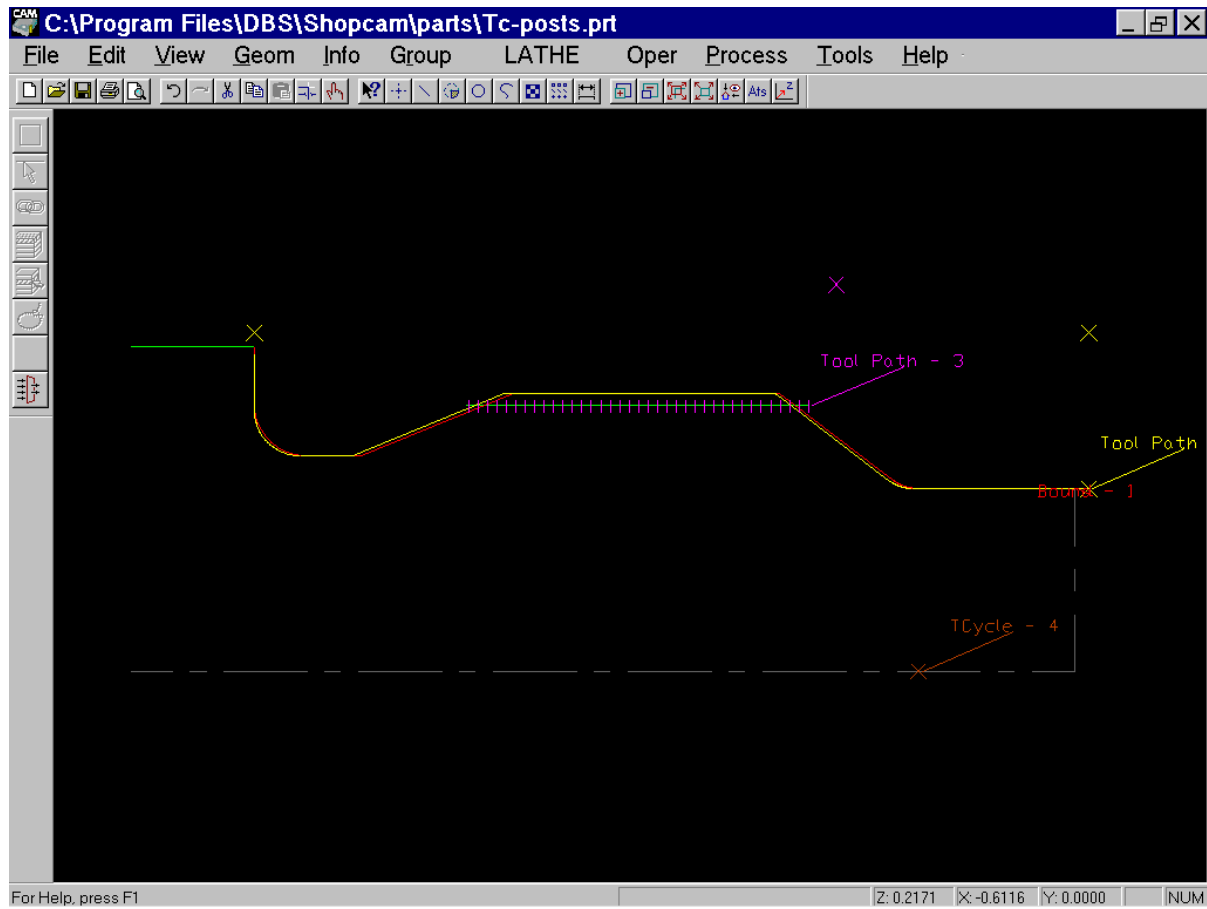
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About the sample part

Below is a screen capture of the part used to generate the sample output.



The first operation is a finish pass. The endmill positions at X0.573 Y1.95 then rapids to Z0.1 The full depth is Z-.122

The second operations is a canned peck drill (cycle 83). With a full depth of Z-.75 and a peck of .3. Not all lathe controls have canned drill and tapping cycles. Use a drill cycle number set to '1', for a system simulated drill cycle (Z-in, Z-out).

The third operations is a threading cycle. If the post supports a canned thread cycle, it will use it. Otherwise it will use 3 threading passes .

The posts listed with: (Auto 1st T-POSITION? Not supported) were either written more than five years ago or the customer request that the 1st tool position be forced out automatically. You should always check the [Auto 1st T-Position] box in the setup file and enter some tool change coordinates even if a M or G code positions for a tool change.

POST PROCESSOR REVISION CHECKLIST

In the course of using your post processor, you may find it necessary to request post revisions. Unless there is a problem that makes the post unusable, try to use it for a couple weeks. Keep track of the changes needed and try to use the Shopcam operations that need support. To avoid any guesswork or assumptions, it is important that you provide the following files.

[] filename.PRT; A Shopcam part file with a couple different operations.

This Shopcam program should be typical of the work you do. It is important to include this file since the post may or may not, be doing something, because of the part program. When revising the post, we may be able to suggest easier or quicker ways of programming, based on this part..

[] filename.TAP; The tapefile as posted from the part program.

Do not make any changes to this file. With this file, we can verify that the post you are using is the latest rev and the changes are made to the same post.

[] filename.NEW; The tapefile after making the required edits.

If possible, try to actually run the part on the machine, after editing it. If the edited part does not run properly, edit the file on the computer and download again.

DOs and DON'Ts

- 1) **Do not** go back and edit the filename.PRT once you have started editing the tapefile (G-codes).
- 2) **Do not** simple markup a printout of a unedited posted filename.tap.
- 3) **Do not** edit in canned ruffing cycles, unless the post was written for canned cycles.
- 4) **Do not** edit in Subroutines or macros, unless the post was written for subroutines.
- 5) Read the helpfile if there is one. This will have a .HLP suffix. Copy to .TXT for WIN95.
- 6) Print the edited .tap and add notes, if you think it will help.

Send a disk to: DBS llc. or email to: Dan@shopcam.com Allow one to five days for revisions.

LATHES

Post name: 1050hl
Machine type: Generic Lathe
Control: GE 1050HL
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Negative Diameter
Programmer's notes: Source code looks good

```
%
N10G54T0101
N20G95S1467M3
N30G0X-1.7576Z0.0688M08
N40G92S1111
N50G96R-1.7576S675
N60G1Z-0.0313F.0080
N70Z-0.7838
N80G3X-1.8271Z-0.8864I0.1688
N90X-2.6587Z-1.4297
N100G2X-2.6715Z-
1.4487I0.0248K0.019
N110Z-2.7333
N120G2X-2.6669Z-2.7451I0.0313
N130X-2.0715Z-3.4723
N140Z-3.7285
N150G3X-2.509Z-3.9473I0.2188
N160X-3.0543
N170G0X-3.2543
N180Z0.0688
N190T0000M59
N200X-40.0Z11.0
N210T0303
N220G95
N230G97S777M3
N240G0X0.0Z0.2
N250G83Z-0.75F0.01P10.4P2.250P5.050
N260T0000M59
N270X-40.0Z11.0
N280T0202
N290G95
N300G97S567M3
N310G0X-3.721Z-1.1447
N320G84X-2.5515Z-2.9253P10.06P20.0455P4-
2.9253
N330X-2.5515Z-2.9253
N340T0000M59
N350X-40.0Z11.0M09
N360M05
N370G53
N380M30
%
```

Post name: 40N-6tb
 Machine type: 40N Lathe
 Control: Yasnac 6TB
 IN/MM output: Both
 Abso/Incr: Incremental IK
 X Axis: Diameter
 Programmer's notes: Source code looks OK.

%	G50X40.0Z11.0T0300
:0012	G99
M57	G00X0.0Z0.2M08T0303
N1M63 (T0101 RIGHT REAR TURNING)	G83R0.1Z-0.75P0300Q0F0.01M09
G50X40.0Z11.0T0100	G28X40.0Z11.0T0300
G99	N2M63 (T0202 RIGHT REAR THREADING)
G50S1111	G50X40.0Z11.0T0200
M39	G99
G96S675	G00X3.721Z-1.1447M08T0202
M03	X2.5515Z-1.2792
G00X1.7576Z0.0688M08T0101	G32Z-2.9253F-.04545
G01Z-0.0313F0.008	G00X3.721
Z-0.7838	Z-1.1447
G02X1.8271Z-0.8864I0.1688K0.0	X2.5515Z-1.2792
G01X2.6587Z-1.4297	G32Z-2.9253F-.04545
G03X2.6715Z-1.4487I-0.0248K-0.019	G00X3.721
G01Z-2.7333	Z-1.1447
G03X2.6669Z-2.7451I-0.0313K0.0	X2.5515Z-1.2792
G01X2.0715Z-3.4723	G32Z-2.9253F-.04545
Z-3.7285	G00X3.721M09
G02X2.509Z-3.9473I0.2188K0.0	G28X40.0Z11.0T0200
G01X3.0543	M56
G00X3.2543	M30
Z0.0688M09	%
G28X40.0Z11.0T0100M05	#
N3M63 (T0303 DRILL)	

Post name: 850-tc
Machine type: Cincinnati
Control: Sabre 850SX TC
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Diameter
Programmers notes: Source code looks OK, mild customization.

%
:1G00X40.0Z11.0T01H01M26
N010 (MSG, RIGHT REAR TURNING T01)
N020G92S1111
N030G97S675M42M13
N040G00X1.7576Z0.0688M08
N050G96R1.7576S675
N060G95G01Z-0.0313F0.008
N070Z-0.7838
N080G02X1.8271Z-0.8864I1.0475K-0.7838
N090G01X2.6587Z-1.4297
N100G03X2.6715Z-1.4487I1.3045K-1.4487
N110G01Z-2.7333
N120G03X2.6669Z-2.7451I1.3045K-2.7333
N130G01X2.0715Z-3.4723
N140Z-3.7285
N150G02X2.509Z-3.9473I1.2545K-3.7285
N160G01X3.0543
N170G00X3.2543
N180Z0.0688
N190G0X40.0Z11.0M09
N200M01

:2G00X40.0Z11.0T03H03M26
N210 (MSG, DRILL T03)
N220G97S777M42M13
N230G00X0.0Z0.2M08
N240G0X40.0Z11.0M09
N250M01

:3G00X40.0Z11.0T02H02M26
N260 (MSG, RIGHT REAR THREADING T02)
N270G97S567M42M13
N280G00X3.721Z-1.1447M08
N290X2.5515Z-1.2792
N300G95G33Z-2.9253I0.0K-0.04545
N310G00X3.721
N320Z-1.1447
N330X2.5515Z-1.2792
N340G33Z-2.9253I0.0K-0.04545
N350G00X3.721
N360Z-1.1447
N370X2.5515Z-1.2792
N380G33Z-2.9253I0.0K-0.04545
N390G00X3.721
N400Z-1.1447
N410G0X40.0Z11.0M09
N420M02

%

Post name: Ab-8200
 Machine type: Bullard Lathe
 Control: Allen Bradley 8200
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Diameter
 Programmer's notes: Source code looks OK, highly customized.

```

%
N010 (T1 TURNING TOOL)
N020 G54
N030 G11 G95 G99 G90
N040 G00 X20.0 Z11.0
N050 G92 X0.0 Z0.0 S1111
N060 T0101
N070 G97 S1111 M03
N080 G00 X1.758 Z0.069
N090 G96 S0675 R0.879 M08
N100 G21 Z-0.031 F0.008
N110 Z-0.784
N120 G02 X1.827 Z-0.886 I0.169 K0
N130 G21 X2.659 Z-1.43
N140 G03 X2.672 Z-1.449 I0.025
K0.019
N150 G21 Z-2.733
N160 G03 X2.667 Z-2.745 I0.031 K0
N170 G21 X2.072 Z-3.472
N180 Z-3.729
N190 G02 X2.509 Z-3.947 I0.219 K0
N200 G21 X3.054
N210 G00 X3.254
N220 Z0.069
N230 G10
N240 G53
N250 T0000 M05
N260
N270 (T3 DRILL)
N280 G54
N290 G11 G95 G99 G90
N300 G00 X20.0 Z11.0 M09
N310 G92 X0.0 Z0.0 S777
N320 T0303
N330 G97 S777 M03
N340 G00 X0.0 Z0.2 M08
N350 G10
N360 G53
N370 T0000 M05
N380
N390 (T2 THREADING TOOL)
N400 G54
N410 G11 G95 G99 G90
N420 G00 X20.0 Z11.0 M09
N430 G92 X0.0 Z0.0 S567
N440 T0202
N450 G97 S567 M03
N460 G00 X3.721 Z-1.145 M08
N470 X2.552 Z-1.279
N480 G33 Z-2.925 K-.04545
N490 G00 X3.721
N500 Z-1.145
N510 X2.552 Z-1.279
N520 G33 Z-2.925 K-.04545
N530 G00 X3.721
N540 Z-1.145
N550 X2.552 Z-1.279
N560 G33 Z-2.925 K-.04545
N570 G00 X3.721
N580 G10
N590 G53
N600 T0000 M05
N610
N620 T0200
N630 M30
#<END OF Tc-posts >#
  
```


Post name: Ab-ser2
Machine type: Generic Lathe
Control: Allen Bradley
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Radial
Programmer's notes: Source code looks OK.

```
(Tc-posts)
N0010 M20 (ENABLE BOTH)
N0020 M08 (COOLANT ON)
N0030 M10
N0040 M50 (EXTEND TS)
N0050 M11 (CLAMPS TOOLING)
N0060 G54 (SELECTS OFFSET)
N0070 M40 (SELECTS MID RANGE)
N0080 M03 S1111 (STARTS SPINDLE)
N0090 G00 Z0.069 X0.879
N0100 M100 (SYNCHRONIZE ROLLERS)
N0110 G01 Z-0.031 F0.008
N0120 Z-0.784
N0130 G03 Z-0.886 X0.914 R0.169
N0140 G01 Z-1.43 X1.329
N0150 G02 Z-1.449 X1.336 R0.031
N0160 G01 Z-2.733
N0170 G02 Z-2.745 X1.333 R0.031
N0180 G01 Z-3.472 X1.036
N0190 Z-3.729
N0200 G03 Z-3.947 X1.255 R0.219
N0210 G01 X1.527
N0220 G00 X1.627
N0230 Z0.069
N0240 M03 S777 (STARTS SPINDLE)
N0250 G00 Z0.2 X0.0 F0.01
N0260 M03 S567 (STARTS SPINDLE)
N0270 G00 Z-1.145 X1.861
N0280 Z-1.279 X1.276
N0290 G33 Z-2.925 K-.04545
N0300 G00 X1.861 F0.01
N0310 Z-1.145
N0320 Z-1.279 X1.276
N0330 G33 Z-2.925 K-.04545
N0340 G00 X1.861 F0.01
N0350 Z-1.145
N0360 Z-1.279 X1.276
N0370 G33 Z-2.925 K-.04545
N0380 G00 X1.861 F0.01
N0390 M100 (SYNCHRONIZE ROLLERS)
N0400 M09 (COOLANT OFF)
N0410 M05 (SPINDLE STOP)
N0420 M10
N0430 M51
N0440 M30
```

Post name: Acra-2
 Machine type: Cincinnati
 Control: Acramatic 2
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Radial
 Programmer's notes: Source code looks good.

\$	N280G00X200000Z110000
:	N290G97S777M03
O10G70	N300X0Z2000M07
N10G90	N310G00X200000Z110000M09
N20G95	N320T0300M06
N30G97S0100M03	N330M01
N40G00T0101M06	O2000G90
N50G00X200000Z110000	N340G95
N60G92S1111	N350G97S0100M03
N70G96S675R200000M03	N360G00T0202M06
N80X8788Z688M07	N370G00X200000Z110000
N90G01Z-313F0080	N380G97S567M03
N100Z-7838	N390X18605Z-11447M07
N110G02X9135Z-8864K-7838I10475	N400X12758Z-12792
N120G01X13293Z-14297	N410G33Z-29253K04545
N130G03X13358Z-14487K-14487I13045	N420G00X18605
N140G01Z-27333	N430Z-11447
N150G03X13334Z-27451K-27333I13045	N440X12758Z-12792
N160G01X10358Z-34723	N450G33Z-29253K04545
N170Z-37285	N460G00X18605
N180G02X12545Z-39473K-37285I12545	N470Z-11447
N190G01X15271	N480X12758Z-12792
N200G00X16271	N490G33Z-29253K04545
N210Z688	N500G00X18605
N220G00X200000Z110000M09	N510Z-11447
N230T0100M06	N520G00X200000Z110000M09
N240M01	N530T0200M06
O1000G90	N540M0
N250G95	N550G90
N260G97S0100M03	N560M30
N270G00T0303M06	*

Post name: Amer-ot
 Machine type: Amerisieki Lathe
 Control: Fanuc OTC
 IN/MM output: Both
 Abso/Incr: Incremental IK
 X Axis: Negative Diameter
 Programmer's notes: Source code looks OK, mild customization, has barpull support.

<pre> % O0012 (Tc-posts) N100G50S1111 T101M8 (NR=0.03125 TURNING) G50S1111 G96S675M03 G00X-1.7576Z0.0688 G01Z-0.0313F0.008 Z-0.7838 G02X-1.8271Z-0.8864I0.1688K0.0 G01X-2.6587Z-1.4297 G03X-2.6715Z-1.4487I-0.0248K-0.019 G01Z-2.7333 G03X-2.6669Z-2.7451I-0.0313K0.0 G01X-2.0715Z-3.4723 Z-3.7285 G02X-2.509Z-3.9473I0.2188K0.0 G01X-3.0543 G00X-3.2543 Z0.0688 G28U0 G0Z11.0 M1 N300G50S777 T303M8 (0.25 DRILL) G97S777M03 G00X0.0Z0.2 </pre>	<pre> G83F0.01 G80 G28U0 G00G0Z11.0 M1 N200G50S567 T202M8 (THREADING) G97S567M03 G00X-3.721Z-1.1447 X-2.5515Z-1.2792 G33Z-2.9253F0.04545 G00X-3.721 Z-1.1447 X-2.5515Z-1.2792 G33Z-2.9253F0.04545 G00X-3.721 Z-1.1447 X-2.5515Z-1.2792 G33Z-2.9253F0.04545 G00X-3.721 Z-1.1447 G28U0 G0Z11.0 M1 T100 M30 % </pre>
--	---

Post name: Anilam-l
 Machine type: Generic Lathe
 Control: Anilam Tape-Mate
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Radial
 Programmers notes: Source code looks OK, highly customized, outputs arc segments less than .004 with line moves.

```

%
M1401
N11G29T2001X0Z0
N21G29T2002X0Z0
N31G29T2003X0Z0
N41T0
N51G0X0Z0
N61T01
N71G95
N81M03
N91X.8788Z.0688
N101G29LV21=0.008
N111G01Z-.0313
N121Z-.7838
N131G03X.9135Z-.8864I1.0475K-.7838
N141G01X1.3293Z-1.4297
N151G02X1.3358Z-1.4487I1.3045K-
1.4487
N161G01Z-2.7333
N171G02X1.3334Z-2.7451I1.3045K-
2.7333
N181G01X1.0358Z-3.4723
N191Z-3.7285
N201G03X1.2545Z-3.9473I1.2545K-
3.7285
N211G01X1.5271
N221G00X1.6271
N231Z.0688
N241T0
N251G0X0Z0
N261T03
N271G29LV21=0.01
N281G95
N291M03
N301X.Z.2
N311T0
N321G0X0Z0
N331T02
N341G95
N351M03
N361X1.8605Z-1.1447
N371X1.2758Z-1.2792
N381G33Z-2.9253F-.0455
N391G00X1.8605
N401Z-1.1447
N411X1.2758Z-1.2792
N421G33Z-2.9253F-.0455
N431G00X1.8605
N441Z-1.1447
N451X1.2758Z-1.2792
N461G33Z-2.9253F-.0455
N471G00X1.8605
N481M02
N491Z-1.1447
N501G0X0Z0
N511G29E
%
```

Post name: Anilm-tc
 Machine type: Generic Lathe
 Control: Anilam Tape-Mate
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Radial
 Programmers notes: Source code looks OK, outputs arc segments less than .004 with line moves.

```

%
M1401
N11G29T2001X0Z0
N21G29T2002X0Z0
N31G29T2003X0Z0
N41T0
N51G0X0Z0
N61T01
N71G95
N81M03
N91X.8788Z.0688
N101G29LV21=0.008
N111G01Z-.0313
N121Z-.7838
N131G03X.9135Z-.8864I1.0475K-.7838
N141G01X1.3293Z-1.4297
N151G02X1.3358Z-1.4487I1.3045K-
1.4487
N161G01Z-2.7333
N171G02X1.3334Z-2.7451I1.3045K-
2.7333
N181G01X1.0358Z-3.4723
N191Z-3.7285
N201G03X1.2545Z-3.9473I1.2545K-
3.7285
N211G01X1.5271
N221G00X1.6271
N231Z.0688
N241T0
N251G0X0Z0
N261T03
N271G29LV21=0.01
N281G95
N291M03
N301X.Z.2
N311T0
N321G0X0Z0
N331T02
N341G95
N351M03
N361X1.8605Z-1.1447
N371X1.2758Z-1.2792
N381G33Z-2.9253F-.0455
N391G00X1.8605
N401Z-1.1447
N411X1.2758Z-1.2792
N421G33Z-2.9253F-.0455
N431G00X1.8605
N441Z-1.1447
N451X1.2758Z-1.2792
N461G33Z-2.9253F-.0455
N471G00X1.8605
N481M02
N491Z-1.1447
N501G0X0Z0
N511G29E
%
```

Post name: Anl-1200
Machine type: Vertical Lathe
Control: Anilam Series 1200
IN/MM output: Both
Abso/Incr: Incremental IK
X Axis: Negative Diameter
Programmer's notes: Source code looks good.

```
N10 G0 G70 G90 T0 Z-20 G95
N20 X0
N30 T1
N40 M3 S1111
N50 G0 X-1.7576 Z0.0688
N60 F0.008
N70 G1 Z-0.0313
N80 Z-0.7838
N90 G2 X-1.8271 Z-0.8864 R0.1688
N100 G1 X-2.6587 Z-1.4297
N110 G3 X-2.6715 Z-1.4487 R0.0313
N120 G1 Z-2.7333
N130 G3 X-2.6669 Z-2.7451 R0.0313
N140 G1 X-2.0715 Z-3.4723
N150 Z-3.7285
N160 G2 X-2.509 Z-3.9473 R0.2188
N170 G1 X-3.0543
N180 G0 X-3.2543
N190 Z0.0688
N200 G0 T0 X0 Z-20
N210 M5
N220 T3
N230 M3 S777
N240 G0 X0.0 Z0.2
N250 G78 Z-0.75 R0.1 F0.01 I-0.3
N260 G0 T0 X0 Z-20
N270 M5
N280 T2
N290 M3 S567
N300 G0 X-3.721 Z-1.1447
N310 G84 F0.0455 Z-2.9253 D0.06 C-0.1 S2
N320 G0 T0 X0 Z-20
N330 M5
N340 M2
```

Post name: Bend-5t
 Machine type: American Eagle Lathe
 Control: Bendix 6T
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Radial
 Programmer's notes: Source code looks good

```

%
N5G90M4
N10G94M83
N15G04X3.0T0101M08
N20G92X20.0Z11.0M62F250
N25G92S1111
N30G96S675R20.0
N35G95
N40G00X0.8788Z0.0688M08
N45G01Z-0.0313F0.008
N50Z-0.7838
N55G02X0.9135Z-0.8864I0.1688K0.0
N60G01X1.3293Z-1.4297
N65G03X1.3358Z-1.4487I-0.0248K-
0.019
N70G01Z-2.7333
N75G03X1.3334Z-2.7451I-0.0313K0.0
N80G01X1.0358Z-3.4723
N85Z-3.7285
N90G02X1.2545Z-3.9473I0.2188K0.0
N95G01X1.5271
N100G00X1.6271
N105Z0.0688
N110M09
N115X20.0Z11.0
N120G04X3.0T0000
N125M01
N130G90M4
N135G04X3.0T0303M08
N140G92X20.0Z11.0M62F250
N145G97S777
N150G95
N155G00X0.0Z0.2M08
N160G83R0.1Z-0.75P0300Q0F0.01
N165G80
N170M09
N175X20.0Z11.0
N180G04X3.0T0000
N185M01
N190G90M4
N195G04X3.0T0202M08
N200G92X20.0Z11.0M62F250
N205G97S567
N210G95
N215G00X1.8605Z-1.1447M08
N220X1.2758Z-1.2792
N225G33Z-2.9253K0.0455
N230G00X1.8605
N235Z-1.1447
N240X1.2758Z-1.2792
N245G33Z-2.9253K0.0455
N250G00X1.8605
N255Z-1.1447
N260X1.2758Z-1.2792
N265G33Z-2.9253K0.0455
N270G00X1.8605
N275Z-1.1447
N280M09
N285X20.0Z11.0
N290G04X3.0T0000
N295M01
N300M30
%
  
```

Post name: Cin2100t
Machine type: Cincinnati Acramatic Lathe
Control: 2100TC
IN/MM output: Inch
Abso/Incr: R-word for Radius
X Axis: Diameter
Programmer's notes: Source code looks good.

```
:T1M6
N2 (MSG, R R TURNING T01)
N4G92S1111
N6G96S675M4
N8G95
N10G0X1.7576Z.0688M8
N12G1Z-.0313F.008
N14Z-.7838
N16G2X1.8271Z-.8864P.1688
N18G1X2.6587Z-1.4297
N20G3X2.6715Z-1.4487P.0313
N22G1Z-2.7333
N24G3X2.6669Z-2.7451P.0313
N26G1X2.0715Z-3.4723
N28Z-3.7285
N30G2X2.509Z-3.9473P.2188
N32G1X3.0543
N34G0X3.2543
N36Z.0688
N38G0X40.0Z11.0M9

:T2M6
N50 (MSG, R R THREADING T02)
N52G97S567M4
N54G95
N56G0X3.721Z-1.1447M8
N58X2.5515Z-1.2792
N60G33Z-2.9253K0.04545
N62G0X3.721
N64Z-1.1447
N66X2.5515Z-1.2792
N68G33Z-2.9253K0.04545
N70G0X3.721
N72Z-1.1447
N74X2.5515Z-1.2792
N76G33Z-2.9253K0.04545
N78G0X3.721
N80Z-1.1447
N82G97S500
N84X40.0Z11.0
N86M5
N88M9
N90M2
%
```

```
:T3M6
N40 (MSG, DRILL T03)
N42G97S777M4
N44G95
```


Post name: Cin-850t
Machine type: Cincinnati
Control: Avenger 850SX TC
IN/MM output: Inch
Abso/Incr: R-word for radius
X Axis: Diameter
Programmer's notes: Source code looks good.

```
:G0G90G62G97X40.0Z11.0S1111T1M26M13M42  
N10 (MSG, R R TURNING T01)  
N20G0X1.7576Z.0688  
N30G92S1111  
N40G96G95S675R1.7576F.008  
N50G1Z-.0313  
N60Z-.7838  
N70G2X1.8271Z-.8864P.1688  
N80G1X2.6587Z-1.4297  
N90G3X2.6715Z-1.4487P.0313  
N100G1Z-2.7333  
N110G3X2.6669Z-2.7451P.0313  
N120G1X2.0715Z-3.4723  
N130Z-3.7285  
N140G2X2.509Z-3.9473P.2188  
N150G1X3.0543  
N160G0X3.2543  
N170Z.0688  
N180M50  
N190M01  
:G0G90G62G97X40.0Z11.0S777T3M26M13M42  
N200 (MSG, DRILL T03)  
N210G0X.0Z.2  
N220M50  
N230M01  
:G0G90G62G97X40.0Z11.0S567T2M26M13M42  
N240 (MSG, R R THREADING T02)  
N250G0X3.721Z-1.1447  
N260X2.5515Z-1.2792  
N270G95F0.0455  
N280G33Z-2.9253K0.04545  
N290G0X3.721  
N300Z-1.1447  
N310X2.5515Z-1.2792  
N320G33Z-2.9253K0.04545  
N330G0X3.721  
N340Z-1.1447  
N350X2.5515Z-1.2792  
N360G33Z-2.9253K0.04545  
N370G0X3.721  
N380Z-1.1447  
N390X40.0Z11.0  
N400M50  
N410M02  
%
```

Post name: Cin850tc
Machine type: Cincinnati
Control: Sabre 850SX TC
IN/MM output: Inch
Abso/Incr: Absolute
X Axis: Diameter
Programmer's notes: Source code looks good.

:1G0G62X1.7576Z.0688T1M26M8
N2 (MSG, R R TURNING T01)
N4G92S1111
N6G97S675M13
N8G95G96R1.7576S675F.008
N10G1Z-.0313
N12Z-.7838
N14G2X1.8271Z-.8864P.1688
N16G1X2.6587Z-1.4297
N18G3X2.6715Z-1.4487P.0313
N20G1Z-2.7333
N22G3X2.6669Z-2.7451P.0313
N24G1X2.0715Z-3.4723
N26Z-3.7285
N28G2X2.509Z-3.9473P.2188
N30G1X3.0543
N32G0X3.2543
N34Z.0688M9

:2G0G62X.0Z.2T3M26M8
N36 (MSG, DRILL T03)
N38G97S777M13M9

:3G0G62X3.721Z-1.1447T2M26M8
N40 (MSG, R R THREADING T02)
N42G97S567M13
N44X2.5515Z-1.2792
N46G95F0.0455
N48G33Z-2.9253K0.04545
N50G0X3.721
N52Z-1.1447
N54X2.5515Z-1.2792
N56G33Z-2.9253K0.04545
N58G0X3.721
N60Z-1.1447
N62X2.5515Z-1.2792
N64G33Z-2.9253K0.04545
N66G0X3.721
N68Z-1.1447
N70G97S500
N72X40.0Z11.0
N74M5
N76M9
N78M2
%

Post name: Cin-900
 Machine type: Cincinnati Cinturn 10CU
 Control: Acramatic 900TC
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Radial
 Programmer's notes: Source code looks good

%	N36G97S777M42
O1G90	N37G70M3
N2G99	N38G92X200000Z110000
N3G0X200000Z110000M31	N39G95T03M6
N4 (MSG, RIGHT REAR TURNING T01)	N40M08
N5 (MSG, HOME X+20.0 Z+11.0)	N41G00X0Z2000M32
N6 (MSG, OFFSET X+0.0 Z+0.0)	N42M09
N7G97S1111M42	N43T0200M6
N8G70M3	N44M1
N9G92X200000Z110000	O45G90
N10G95T01M6	N46G99
N11M08	N47G0X200000Z110000M31
N12G92S1111	N48 (MSG, RIGHT REAR THREADING T02)
N13G96R8788S675M32	N49 (MSG, OFFSET X+0.0 Z+0.0)
N14G00X8788Z688	N50G97S567M42
N15G01Z-313F0080	N51G70M3
N16Z-7838	N52G92X200000Z110000
N17G02X9135Z-8864K-7838I10475	N53G95T02M6
N18G01X13293Z-14297	N54M08
N19G03X13358Z-14487K-14487I13045	N55G00X18605Z-11447M32
N20G01Z-27333	N56X12758Z-12792
N21G03X13334Z-27451K-27333I13045	N57G32Z-29253K-455I0
N22G01X10358Z-34723	N58G00X18605
N23Z-37285	N59Z-11447
N24G02X12545Z-39473K-37285I12545	N60X12758Z-12792
N25G01X15271	N61G32Z-29253K-455I0
N26G00X16271	N62G00X18605
N27Z688	N63Z-11447
N28M09	N64X12758Z-12792
N29T0300M6	N65G32Z-29253K-455I0
N30M1	N66G00X18605
O31G90	N67Z-11447
N32G99	N68T0100M6
N33G0X200000Z110000M31	N69M30
N34 (MSG, DRILL T03)	%
N35 (MSG, OFFSET X+0.0 Z+0.0)	

Post name: Cin-acra
 Machine type: Cincinnati Chucker
 Control: Acramatic 2
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Radial
 Programmer's notes: Source code looks OK.

```

$
:
N5 G97 S1111 M42
N10 G95
N15 G00 X20.0000 Z11.0000
N20 T0101 M06
N25 G92 S1111
N30 G96 S675 R20.0000 M03
N35 X0.8788 Z0.0688 M07
N40 G01 Z-0.0313 F0.0080
N45 Z-0.7838
N50 G02 X0.9135 Z-0.8864 K-0.7838
I1.0475
N55 G01 X1.3293 Z-1.4297
N60 G03 X1.3358 Z-1.4487 K-1.4487
I1.3045
N65 G01 Z-2.7333
N70 G03 X1.3334 Z-2.7451 K-2.7333
I1.3045
N75 G01 X1.0358 Z-3.4723
N80 Z-3.7285
N85 G02 X1.2545 Z-3.9473 K-3.7285
I1.2545
N90 G01 X1.5271
N95 G00 X1.6271
N100 Z0.0688
N105 G00 X20.0000 Z11.0000 M09
N110 T0100 M06
N115 G00 M01
O120 G90 F200.0
N125 G97 S777 M42
N130 G95
N135 G00 X20.0000 Z11.0000
N140 T0303 M06
N145 G97 S777 M03
N150 X0.0000 Z0.2000 M07
N155 G00 X20.0000 Z11.0000 M09
N160 T0300 M06
N165 G00 M01
O170 G90 F200.0
N175 G97 S567 M42
N180 G95
N185 G00 X20.0000 Z11.0000
N190 T0202 M06
N195 G97 S567 M03
N200 X1.8605 Z-1.1447 M07
N205 X1.2758 Z-1.2792
N210 G33 Z-2.9253 K0.0455
N215 G00 X1.8605
N220 Z-1.1447
N225 X1.2758 Z-1.2792
N230 G33 Z-2.9253 K0.0455
N235 G00 X1.8605
N240 Z-1.1447
N245 X1.2758 Z-1.2792
N250 G33 Z-2.9253 K0.0455
N255 G00 X1.8605
N260 Z-1.1447
N265 G00 X20.0000 Z11.0000 M09
N270 T0200 M06
N275 G00 M01
N280 G00 M30
*
  
```

Post name: Cob-f21
 Machine type: Hardinge Lathe
 Control: Cobra-42LC GE Fanuc-21 OTB
 IN/MM output: Inch
 Abso/Incr: Absolute
 X Axis: Diameter
 Programmer's notes: Source code looks good, mild customization.

```

%
O0012
#501 = 12.5
#502 = 6.0
N5 G65 P9150 H2.5

N1 (T0101 TURN OD .0313 R)
N10 G97 S1111 M14
N15 M98 P1
N20 T0101
N25 G50 S1111
N30 G96 S675
N35 G0 X1.7576 Z.06875
N40 G99 G1 Z-.03125 F0.008
N45 Z-.78381
N50 G2 X1.8271 Z-.88637 R.16875
N55 G1 X2.6587 Z-1.42968
N60 G3 X2.6715 Z-1.44868 R.03125
N65 G1 Z-2.73327
N70 G3 X2.6669 Z-2.74511 R.03125
N75 G1 X2.0715 Z-3.47227
N80 Z-3.72851
N85 G2 X2.509 Z-3.94726 R.21875
N90 G1 X3.0543
N95 G0 X3.2543
N100 Z.06875

N105 M98 P1
N110 M01

N3 (T0303 DIA=.25 DRILL)
N115 G97 S777 M13
N120 M98 P1
N125 T0303
N130 G0 X.0 Z.2
N135 G65 P9136 K-.75 B.1 F0.01 W.3
C.1 A.5
N140 M98 P1
N145 M01

N2 (T0202 THREAD OD TPI 100)
N150 G97 S567 M14
N155 M98 P1
N160 T0202
N165 G0 X3.72104Z-1.14472
N170 G92 X2.55154 Z-2.92535
F.04545
N175 M98 P1
N180 M1

N185 M30
%
```

Post name: Cobra-42
 Machine type: Hardinge Lathe
 Control: Cobra-42 GE Fanuc-21T
 IN/MM output: Inch
 Abso/Incr: Absolute
 X Axis: Diameter
 Programmer's notes: Highly customized

```

%
O0012
#501 = 12.5
#502 = 6.0
G65 P9150 H2.5

N1 (T0101 TURN OD .0313 R)
G97 S1111 M14
M98 P1
T0101
G50 S1111
G96 S675
G0 X1.7576 Z.06875
G99 G1 Z-.03125 F0.008
Z-.78381
G2 X1.8271 Z-.88637 R.16875
G1 X2.6587 Z-1.42968
G3 X2.6715 Z-1.44868 R.03125
G1 Z-2.73327
G3 X2.6669 Z-2.74511 R.03125
G1 X2.0715 Z-3.47227
Z-3.72851
G2 X2.509 Z-3.94726 R.21875
G1 X3.0543
G0 X3.2543

Z.06875
M98 P1
M01

N3 (T0303 DIA=.25 DRILL)
G97 S777 M13
M98 P1
T0303
G0 X.0 Z.2
G65 P9136 K-.75 B.1 F0.01 W.3 C.1 A.5
M98 P1
M01

N2 (T0202 THREAD OD TPI 100)
G97 S567 M14
M98 P1
T0202
G0 X3.72104Z-1.14472
G92 X2.55154 Z-2.92535 F.04545
M98 P1
M1

M30
%
```

Post name: Daewoo
Machine type: Daewoo Lathe
Control: Fanuc
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good

```
%  
G0 T0101  
G54  
G50 S1111  
G96 S675 M3  
G0 X1.7576 Z0.0688 M8  
G1 Z-0.0313 F80  
Z-0.7838  
G2 X1.8271 Z-0.8864 I0.1688 K0.0  
G1 X2.6587 Z-1.4297  
G3 X2.6715 Z-1.4487 I-0.0248 K-0.019  
G1 Z-2.7333  
G3 X2.6669 Z-2.7451 I-0.0313 K0.0  
G1 X2.0715 Z-3.4723  
Z-3.7285  
G2 X2.509 Z-3.9473 I0.2188 K0.0  
G1 X3.0543  
G0 X3.2543  
Z0.0688  
X40.0 Z11.0 M9  
M01  
  
G0 T0303  
G54  
G97 S777 M3  
G0 X0.0 Z0.2 M8  
G83 R0.1 Z-0.75 P300 Q0.3 F100  
G80  
X40.0 Z11.0 M9  
M01  
  
G0 T0202  
G54  
G97 S567 M3  
G0 X3.721 Z-1.1447 M8  
X2.5515 Z-1.2792  
G76 P020060 Q56 R30  
G76 X2.5515 Z-2.9253 P600 Q1000 F.0455  
X2.5515 Z-2.9253  
X40.0 Z11.0 M9  
M01  
  
M30  
%
```

Post name: Daewoo-f
Machine type: Daewoo Lathe
Control: Fanuc OT
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good.

```
O0012 (Tc-posts)
N10 G90
N20 G50 X40.0 Z11.0 (T01 RIGHT REAR TURNING)
N30 T0101
N40 G50 S1111
N50 G96 S675 M03
N60 G90 G00 X1.7576 Z0.0688 M08
N70 G01 Z-0.0313 F0.008
N80 Z-0.7838
N90 G02 X1.8271 Z-0.8864 I0.1688 K0.0
N100 G01 X2.6587 Z-1.4297
N110 G03 X2.6715 Z-1.4487 I-0.0248 K-0.019
N120 G01 Z-2.7333
N130 G03 X2.6669 Z-2.7451 I-0.0313 K0.0
N140 G01 X2.0715 Z-3.4723
N150 Z-3.7285
N160 G02 X2.509 Z-3.9473 I0.2188 K0.0
N170 G01 X3.0543
N180 G00 X3.2543
N190 Z0.0688 M09
N200 X40.0 Z11.0 T0100
N210 M01
N220 G50 X40.0 Z11.0 (T03 DRILL)
N230 T0303
N240 G97 S777 M03
N250 G90 G00 X0.0 Z0.2 M08
N260 G83 R0.1 Z-0.75 P0300 Q0 F0.01
N270 G80 M09
N280 X40.0 Z11.0 T0300
N290 M01
N300 G50 X40.0 Z11.0 (T02 RIGHT REAR THREADING)
N310 T0202
N320 G97 S567 M03
N330 G00 X3.721 Z-1.1447
N340 X2.5515 Z-1.2792
N350 G76 P020060 Q30 R2
N360 G76 X2.5515 Z-2.9253 P17 Q100 F.0455
N370 G90 X2.5515 Z-2.9253 M08 M09
N380 X40.0 Z11.0 T0200
N390 M01
N400 M30
%
```


Post name: Delt-20t
Machine type: Generic Lathe
Control: Delta 20-T Conversational
IN/MM output: Inch
Abso/Incr: Absolute
X Axis: Negative Radial
Programmer's notes: Source code looks OK.

(Tc-posts)

N010 (M) M3D0\$
N020 (0) X-20.0Z11.0\$
N030 (M) D1\$
N040 (M) M8\$
N050 (0) X-0.8788Z0.0688\$
N060 (M) F.0080\$
N070 (1) Z-0.0313\$
N080 (1) Z-0.7838\$
N090 (4) X-0.9135Z-0.8864R0.1688C0\$
N100 (3) X-1.3293Z-1.4297\$
N110 (4) X-1.3358Z-1.4487R0.0313C1\$
N120 (1) Z-2.7333\$
N130 (4) X-1.3334Z-2.7451R0.0313C1\$
N140 (3) X-1.0358Z-3.4723\$
N150 (1) Z-3.7285\$
N160 (4) X-1.2545Z-3.9473R0.2188C0\$
N170 (2) X-1.5271\$
N180 (0) X-1.6271\$
N190 (0) Z0.0688\$
N200 (M) D0\$
N210 (0) X-20.0Z11.0\$
N220 (M) M00\$
N230 (M) D3\$
N240 (0) X0.0Z0.2\$
N250 (7) G0Z-0.75W0K0.3F0.01\$
N260 (M) D0\$
N270 (0) X-20.0Z11.0\$
N280 (M) M00\$
N290 (M) D2\$
N300 (0) X-1.7605Z-1.1447\$
N310 (5) G0D-2.5515Z-1.6461U2.6715K-0.0455W0C.1P0.1L.001S2F0.01\$
N320 (0) X-1.7605Z-1.1447\$
N330 (M) D0\$
N340 (0) X-20.0Z11.0\$
N350 (M) M30\$
END

Post name: Ema-tc
 Machine type: Ema Lathe
 Control: Fanuc
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Diameter
 Programmer's notes: Source code looks good

%	G0X40.0Z11.0
O0012 (Tc-posts)	T0300
N1G50X40.0Z11.0M8	M1
G0T0101M41	N2G50X40.0Z11.0M8
(T01 RIGHT REAR TURNING)	G0T0202M41
G50S1111	(T02 RIGHT REAR THREADING)
G96S675M3	G97S567M3
G0G99X1.7576Z0.0688	G0G99X3.721Z-1.1447
G1Z-0.0313F0.008	X2.5515Z-1.2792
Z-0.7838	G32Z-2.9253K0.0455
G2X1.8271Z-0.8864I10.0475K8.2162	G0X3.721
G1X2.6587Z-1.4297	Z-1.1447
G3X2.6715Z-1.4487I10.3045K7.5513	X2.5515Z-1.2792
G1Z-2.7333	G32Z-2.9253K0.0455
G3X2.6669Z-2.7451I10.3045K6.2667	G0X3.721
G1X2.0715Z-3.4723	Z-1.1447
Z-3.7285	X2.5515Z-1.2792
G2X2.509Z-3.9473I10.2545K5.2715	G32Z-2.9253K0.0455
G1X3.0543	G0X3.721
G0X3.2543	Z-1.1447M9
Z0.0688M9	G0X40.0Z11.0M5
G0X40.0Z11.0	T0200
T0100	M1T0100
M1	
N3G50X40.0Z11.0M8	M00
G0T0303M41	
(T03 DRILL)	N999
G97S777M3	G28U0.0
G0G98X0.0Z0.2	G28W0.0
G83R0.1Z-0.75K0.3F0.01	M30
G80M9	%

Post name: Emco-otc
Machine type: Emcotronics Lathe
Control: Fanuc OTC
IN/MM output: Both
Abso/Incr: Incremental IK
X Axis: Negative Diameter
Programmer's notes: Mild customization, supports a barpuller.

%
:0012 (Tc-posts)
N0010G00G40X-40.0Z11.0
N0020T101 (NR=0.03125 TURNING)
N0030G92S1111
N0040G96S675M03
N0050G00X-1.7576Z0.0688M8
N0060G01Z-0.0313F0.008
N0070Z-0.7838
N0080G02X-1.8271Z-0.8864I0.1688K0.0
N0090G01X-2.6587Z-1.4297
N0100G03X-2.6715Z-1.4487I-0.0248K-0.019
N0110G01Z-2.7333
N0120G03X-2.6669Z-2.7451I-0.0313K0.0
N0130G01X-2.0715Z-3.4723
N0140Z-3.7285
N0150G02X-2.509Z-3.9473I0.2188K0.0
N0160G01X-3.0543
N0170G00X-3.2543
N0180Z0.0688
N0190X-40.0Z11.0T0
N0200T303 (0.25 DRILL)
N0210G97S777M03
N0220G00X0.0Z0.2M8
N0230G83F0.01
N0240G80
N0250G00X-40.0Z11.0T0
N0260T202 (THREADING)
N0270G97S567M03
N0280G00X-3.721Z-1.1447M8
N0290X-2.5515Z-1.2792
N0300G33Z-2.9253F0.04545
N0310G00X-3.721
N0320Z-1.1447
N0330X-2.5515Z-1.2792
N0340G33Z-2.9253F0.04545
N0350G00X-3.721
N0360Z-1.1447
N0370X-2.5515Z-1.2792
N0380G33Z-2.9253F0.04545
N0390G00X-3.721
N0400Z-1.1447
N0410X-40.0Z11.0T0M05
N0420M30
%

Post name: Emco-t2
Machine type: Emcotronics Lathe
Control: TO2
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good

%0012

```
N0000 G70 G53 G56 M53
N0010 G54 M08
N0020 G0 G59 X40.0 Z11.0 T0101
N0030 G96 S675 M4
N0040 G0 X1.7576 Z0.0688
N0050 G1 Z-0.0313 F80
N0060 Z-0.7838
N0070 G2 X1.8271 Z-0.8864 I0.1688 K0.0
N0080 G1 X2.6587 Z-1.4297
N0090 G3 X2.6715 Z-1.4487 I-0.0248 K-0.019
N0100 G1 Z-2.7333
N0110 G3 X2.6669 Z-2.7451 I-0.0313 K0.0
N0120 G1 X2.0715 Z-3.4723
N0130 Z-3.7285
N0140 G2 X2.509 Z-3.9473 I0.2188 K0.0
N0150 G1 X3.0543
N0160 G0 X3.2543
N0170 Z0.0688
N0180 T0303 G97 S777 M4
N0190 G0 X0.0 Z0.2 M08
N0200 G83 Z-0.75 P30.1 F100
N0210 G80
N0220 T0202 G97 S567 M4
N0230 G0 X3.721 Z-1.1447 M08
N0240 X2.5515 Z-1.2792
N0250 G33 Z-2.9253 F.045455
N0260 G0 X3.721
N0270 Z-1.1447
N0280 X2.5515 Z-1.2792
N0290 G33 Z-2.9253 F.045455
N0300 G0 X3.721
N0310 Z-1.1447
N0320 X2.5515 Z-1.2792
N0330 G33 Z-2.9253 F.045455
N0340 G0 X3.721
N0350 Z-1.1447 M05
N0360 M25
N0370 M30
%
```

Post name: Fagor800
Machine type: Generic Lathe
Control: Fagor 800T
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Negative Diameter
Programmer's notes: Source code looks good

```
%00012
N10 G0 G90 G97
N20 S1111 M4
N30 T1.1
N40 G92 S1111
N50 G96 S675 M4
N60 X-1.7576 Z0.0688
N70 G1 Z-0.0313 F0.008
N80 Z-0.7838
N90 G2 G06 X-1.8271 Z-0.8864 I-2.0951 K-0.7838
N100 G1 X-2.6587 Z-1.4297
N110 G3 G06 X-2.6715 Z-1.4487 I-2.609 K-1.4487
N120 G1 Z-2.7333
N130 G3 G06 X-2.6669 Z-2.7451 I-2.609 K-2.7333
N140 G1 X-2.0715 Z-3.4723
N150 Z-3.7285
N160 G2 G06 X-2.509 Z-3.9473 I-2.509 K-3.7285
N170 G1 X-3.0543
N180 G0 X-3.2543
N190 Z0.0688
N200 T0.0
N210 M01
N220 G0 G90 G97
N230 S777 M4
N240 T3.3
N250 G97 S777 M4
N260 X0.0 Z0.2
N270 G1 F0.01
N280 G83 P0=K0 P1=K0.1 P4=K0.75 P4=K0.75 P5=K0 P6=K0 P15=K0 P16=K0
N290 T0.0
N300 M01
N310 G0 G90 G97
N320 S567 M4
N330 T2.2
N340 G97 S567 M4
N350 X-3.721 Z-1.1447
N360 G86 P0=K-1.2792 P1=K-2.5515 P2=K-2.9253 P3=K-2.5515 P3=K-2.5515
P4=K0.06 P5=K0010 P6=K0 P7=K0 P10=K0.0455 P11=K0 P12=K60.0
N370 X-2.5515 Z-1.2792
N380 T0.0
N390 M01
N400 M30
```

Post name: Fagor-tc
Machine type: Hardinge Lathe
Control: Fagor 8025/8030 T, TG, TS
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good.

```
%12
N10 G0 G90 G94 G97 G70 G07
N20 S1111 M3
N30 T1.1
N40 G92 S1111
N50 G96 S675 M3
N60 Z0.0688 X1.7576
N70 G01 G95 Z-0.0313 F0.008
N80 Z-0.7838
N90 G02 Z-0.8864 X1.8271 I0.3375 K0.0
N100 G01 Z-1.4297 X2.6587
N110 G03 Z-1.4487 X2.6715 I-0.0496 K-0.019
N120 G01 Z-2.7333
N130 G03 Z-2.7451 X2.6669 I-0.0625 K0.0
N140 G01 Z-3.4723 X2.0715
N150 Z-3.7285
N160 G02 Z-3.9473 X2.509 I0.4375 K0.0
N170 G01 X3.0543
N180 G00 X3.2543
N190 Z0.0688
N200 T0.0
N210 M01
N220 G0 G90 G94 G97 G70 G07
N230 S777 M3
N240 T3.3
N250 G97 S777 M03
N260 Z0.2 X0.0
N270 G1 G95 F0.01
N280 G83 P0=K0 P1=K0.1 P4=K0.75 P4=K0.75 P5=K0 P6=K0 P15=K0 P16=K0
N290 T0.0
N300 M01
N310 G0 G90 G94 G97 G70 G07
N320 S567 M3
N330 T2.2
N340 G97 S567 M03
N350 Z-1.1447 X3.721
N360 G86 P0=K-1.2792 P1=K2.5515 P2=K-2.9253 P3=K2.5515 P3=K2.5515 P4=K0.06
P5=K0010 P6=K0 P7=K0 P10=K0.0455 P11=K0 P12=K60.0
N370 Z-1.2792 X2.5515
N380 T0.0
N390 M01
N400 M30
%
```

Post name: Fan-6t
 Machine type: Generic Lathe
 Control: Fanuc 6T
 IN/MM output: Both
 Abso/Incr: R-word for radius
 X Axis: Diameter
 Programmers notes: Dealer's standard post, mild customization, has live drilling, G32 tapping.

```

%
O0012 (Tc-posts)
G28U0W0
N100G00T0100 (T01 #01 NR=.0313 OD
TURNING)
G50X40.0Z11.0S1111
M40
G99G96S675M03
G00X1.7576Z0.0688T0101M08
G01Z-0.0313F0.008
Z-0.7838
G02X1.8271Z-0.8864R0.1688
G01X2.6587Z-1.4297
G03X2.6715Z-1.4487R0.0313
G01X2.6715Z-2.7333
G03X2.6669Z-2.7451R0.0313
G01X2.0715Z-3.4723
Z-3.7285
G02X2.509Z-3.9473R0.2188
G01X3.0543Z-3.9473
G00X3.2543
Z0.0688
X40.0Z11.0T0100M09
M01

N300G00T0300 (T03 #03 DIA=.25
DRILL)
G50X40.0Z11.0S777
M40
G99G97S777M03
G00X0.0Z0.2T0303M08
G83R0.1Z-0.75P0300Q0F0.01
X40.0Z11.0T0300M09
M01

N200G00T0200 (T02 #02 OD
THREADING TOOL)
G50X40.0Z11.0S567
M40
G99G97S567M03
M23
G00X3.721Z-1.1447
G92X2.5515Z-2.9253K-0.0173E0.0455
(STEP-DIA=.06)
G00M24
X40.0Z11.0T0200
M01

M05
G28U0W0
M01

/M99
M30
%
#
  
```

Post name: Fan-vipr
 Machine type: Viper Lathe
 Control: Fanuc
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Diameter
 Programmer's notes: Dealer's standard post, mild customization for parts catcher.

%	N3G40G80
O0012	G28U0W0
(FILE# Tc-posts)	G0T0303 (DIA=0.25 DRILL)
N1G40G80	G97S777M03
G28U0W0	G0X0.0Z0.2M8
G0T0101 (NR=.0313 OD TURNING)	G83X0.0Z0.2Z-0.75F0.01
G50S1111	G80
G96S675M03	G28U0W0
G0X1.7576Z0.0688M8	T0300
G1Z-0.0313F0.008	M1
Z-0.7838	N2G40G80
G2X1.8271Z-0.8864R0.1688	G28U0W0
G1X2.6587Z-1.4297	G0T0202 (OD THREADING TOOL)
G3X2.6715Z-1.4487R0.0313	G97S567M03
G1Z-2.7333	G0X3.721Z-1.1447
G3X2.6669Z-2.7451R0.0313	X2.5515Z-1.2792
G1X2.0715Z-3.4723	G76P010060Q50R20
Z-3.7285	G76X2.5515Z-2.9253P600Q1000F.0455
G2X2.509Z-3.9473R0.2188	X2.5515Z-2.9253M8
G1X3.0543	G28U0W0
G0X3.2543	T0200
Z0.0688	M1
G28U0W0	/M99
T0100	M30
M1	%

Post name: Ge1050hl
Machine type: Generic Lathe
Control: GE 1050HL
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Negative Diameter
Programmer's notes: Mild customization, outputs G33 for tapping, G84 for canned threading.

%
N10G54T0101
N20G95S1467M3
N30G0X-1.7576Z0.0688M08
N40G92S1111
N50G96R-1.7576S675
N60G1Z-0.0313F.0080
N70Z-0.7838
N80G3X-1.8271Z-0.8864I0.1688
N90X-2.6587Z-1.4297
N100G2X-2.6715Z-1.4487I0.0248K0.019
N110Z-2.7333
N120G2X-2.6669Z-2.7451I0.0313
N130X-2.0715Z-3.4723
N140Z-3.7285
N150G3X-2.509Z-3.9473I0.2188
N160X-3.0543
N170G0X-3.2543
N180Z0.0688
N190T0000M59
N200X-40.0Z11.0
N210T0303
N220G95
N230G97S777M3
N240G0X0.0Z0.2
N250G83Z-0.75F0.01P10.4P2.250P5.050
N260T0000M59
N270X-40.0Z11.0
N280T0202
N290G95
N300G97S567M3
N310G0X-3.721Z-1.1447
N320G84X-2.5515Z-2.9253P10.06P20.0455P4-2.9253
N330X-2.5515Z-2.9253
N340T0000M59
N350X-40.0Z11.0M09
N360M05
N370G53
N380M30
%

Post name: Ge1050t
 Machine type: Generic Lathe
 Control: GE 1050T
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Diameter
 Programmer's notes: Source code looks good.

=	N330G97S0777M03
N10G70	N340G00X0.0Z0.2
N20G90	N350G97S0100
N30G95	N360X40.0Z11.0
N40G97S0100M03	N370T0000
N50G92X0Z0S1111	N380G0X0Z0
N60T0001	N390M0
N70G00X40.0Z11.0	N400G90
N80G96S0675R40.0M03	N410G97S0100M03
N90G00X1.7576Z0.0688	N420G92X0Z0S0567
N100G01Z-0.0313F.008	N430T0002
N110Z-0.7838	N440G00X40.0Z11.0
N120G02X1.8271Z-0.8864I-0.1688	N450G97S0567M03
N130G01X2.6587Z-1.4297	N460G00X3.721Z-1.1447
N140G03X2.6715Z-	N470X2.5515Z-1.2792
1.4487I0.0248K0.019	N480G33Z-2.9253K0.045455
N150G01Z-2.7333	N490G00X3.721
N160G03X2.6669Z-2.7451I0.0313	N500Z-1.1447
N170G01X2.0715Z-3.4723	N510X2.5515Z-1.2792
N180Z-3.7285	N520G33Z-2.9253K0.045455
N190G02X2.509Z-3.9473I-0.2188	N530G00X3.721
N200G01X3.0543	N540Z-1.1447
N210G00X3.2543	N550X2.5515Z-1.2792
N220Z0.0688	N560G33Z-2.9253K0.045455
N230G97S0100	N570G00X3.721
N240X40.0Z11.0	N580Z-1.1447
N250T0000	N590G97S0100
N260G0X0Z0	N600X40.0Z11.0
N270M0	N610T0000
N280G90	N620G0X0Z0
N290G97S0100M03	N630M0
N300G92X0Z0S0777	N640G90
N310T0003	N650M30
N320G00X40.0Z11.0	=

Post name: GE-2000t
Machine type: Jones & Lamson Lathe
Control: GE 2000
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Negative Diameter
Programmer's notes: Source code looks OK.

###%#< Tc-posts >#

%

\$0000012

N10G70

N20G90

N30G95M08

N40S12T0101M06

N50G92X-40.0000Z11.0000

N60G21X-1.7576Z0.0688F00

N70Z-0.0313F80

N80Z-0.7838

N90G23X-1.8271Z-0.8864I0.1688

N100G21X-2.6587Z-1.4297

N110G22X-2.6715Z-1.4487I0.0248K0.0190

N120G21Z-2.7333

N130G22X-2.6669Z-2.7451I0.0313

N140G21X-2.0715Z-3.4723

N150Z-3.7285

N160G23X-2.5090Z-3.9473I0.2188

N170G21X-3.0543

N180X-3.2543F00

N190Z0.0688

N200X-40.0000Z11.0000M09

N210T0100M08

N220S11T0303M06

N230G21X0.0000Z0.2000F00

N240X-40.0000Z11.0000M09

N250T0300M08

N260S10T0202M06

N270G21X-3.7210Z-1.1447F00

N280X-2.5515Z-1.2792

N290G33Z-2.9253K-0.045455

N300G21X-3.7210

N310Z-1.1447

N320X-2.5515Z-1.2792

N330G33Z-2.9253K-0.045455

N340G21X-3.7210

N350Z-1.1447

N360X-2.5515Z-1.2792

N370G33Z-2.9253K-0.045455

N380G21X-3.7210

N390Z-1.1447

N400X-40.0000Z11.0000M09

N410T0200M30

%

#< END OF Tc-posts>#

Post name: GN-10tf
 Machine type: Metalist TCI Lathe
 Control: GN 10TF
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Radial
 Programmer's notes: Source code looks good

```

O0012 (Tc-posts)
N0005 M52
N0010 G20
N0015 G95
N0020 G92 X20.0 Z11.0 (T01 RIGHT
REAR TURNING)
N0025 G92 S1111
N0030 G96 S675 M03
N0035 T0101
N0040 G90 G00 X0.8788 Z0.0688 M08
N0045 G01 Z-0.0313 F0.008
N0050 Z-0.7838
N0055 G02 X0.9135 Z-0.8864 I0.1688
K0.0
N0060 G01 X1.3293 Z-1.4297
N0065 G03 X1.3358 Z-1.4487 I-
0.0248 K-0.019
N0070 G01 Z-2.7333
N0075 G03 X1.3334 Z-2.7451 I-
0.0313 K0.0
N0080 G01 X1.0358 Z-3.4723
N0085 Z-3.7285
N0090 G02 X1.2545 Z-3.9473 I0.2188
K0.0
N0095 G01 X1.5271
N0100 G00 X1.6271
N0105 Z0.0688
N0110 M09
N0115 X20.0 Z11.0
N0120 T0100
N0125 M52
N0130 G95
N0135 G92 X20.0 Z11.0 (T03 DRILL)

N0140 G97 S777 M03
N0145 T0303
N0150 G90 G00 X0.0 Z0.2 M08
N0155 G83 R0.1 Z-0.75 P0300 Q0
F0.01
N0160 G80
N0165 M09
N0170 X20.0 Z11.0
N0175 T0300
N0180 M52
N0185 G95
N0190 G92 X20.0 Z11.0 (T02 RIGHT
REAR THREADING)
N0195 G97 S567 M03
N0200 T0202
N0205 G90 G00 X1.8605 Z-1.1447 M08
N0210 X1.2758 Z-1.2792
N0215 G33 Z-2.9253 K0.0455
N0220 G00 X1.8605
N0225 Z-1.1447
N0230 X1.2758 Z-1.2792
N0235 G33 Z-2.9253 K0.0455
N0240 G00 X1.8605
N0245 Z-1.1447
N0250 X1.2758 Z-1.2792
N0255 G33 Z-2.9253 K0.0455
N0260 G00 X1.8605
N0265 Z-1.1447
N0270 M09
N0275 X20.0 Z11.0
N0280 T0200
N0285 M52
N0290 M30
%
```

Post name: Good-fan
 Machine type: Generic Lathe
 Control: Fanuc 10T
 IN/MM output: Inch
 Abso/Incr: Absolute
 X Axis: Diameter
 Programmer's notes: Source code looks good.

O0001	G80
N10G50X40.0Z11.0S1111	M09
G00T0101 (T1 0.0313 RAD RR	G00X40.0Z11.0M07
TURNING)	T0300
M42	M01
G96S675M03	N30G50X40.0Z11.0S567
G00X1.7576Z0.0688M07	G00T0202 (T2 THREADING TOOL)
M08	M42
G01Z-0.0313F0.008	G97S567M03
Z-0.7838	G00X3.721Z-1.1447
G02X1.8271Z-0.8864R0.1688	M08
G01X2.6587Z-1.4297	X2.5515Z-1.2792
G03X2.6715Z-1.4487R0.0313	G32Z-2.9253F-.04545
G01Z-2.7333	X3.721
G03X2.6669Z-2.7451R0.0313	Z-1.1447
G01X2.0715Z-3.4723	X2.5515Z-1.2792
Z-3.7285	G32Z-2.9253F-.04545
G02X2.509Z-3.9473R0.2188	X3.721
G01X3.0543	Z-1.1447
G00X3.2543	X2.5515Z-1.2792
Z0.0688	G32Z-2.9253F-.04545
M09	X3.721
X40.0Z11.0M08	Z-1.1447
T0100	T0200
M01	M09
N20G50X40.0Z11.0S777	M05
G00T0303 (T3 DRILL)	N1000G28U0.0
M42	G28W0.0
G97S777M03	G30W0.0
G00X0.0Z0.2	G30U0.0
M08	M30
G83R0.1Z-0.75P0300Q0.3	%

Post name: Hard-1
Machine type: Hardinge Lathe
Control: Allen Bradley 7370
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Radial
Programmer's notes: Source code looks OK.

```
< Tc-posts Tue Apr 10 13:47:11 2001'%  
N0005G70G90G95  
N0010G92X20.0Z11.0S1111  
N0015G96S0675R20.0M03  
N0020T0101  
N0025G00X0.8788Z0.06875M07M08  
N0030G01Z-0.03125F0.008  
N0035Z-0.78381  
N0040G02X0.91354Z-0.88637I0.16875K0.0  
N0045G01X1.32934Z-1.42968  
N0050G03X1.33577Z-1.44868I0.02482K0.01899  
N0055G01Z-2.73327  
N0060G03X1.33344Z-2.74511I0.03125K0.0  
N0065G01X1.03577Z-3.47227  
N0070Z-3.72851  
N0075G02X1.25452Z-3.94726I0.21875K0.0  
N0080G01X1.52715  
N0085G00X1.62715  
N0090Z0.06875  
N0095X20.0Z11.0M08M09  
N0100T0  
N0105M01  
N0110G92X20.0Z11.0S0777  
N0115G97S0777M03  
N0120T0303  
N0125G00X0.0Z0.2M08  
N0130X20.0Z11.0M07M09  
N0135T0  
N0140M01  
N0145G92X20.0Z11.0S0567  
N0150G97S0567M03  
N0155T0202  
N0160G00X1.86052Z-1.14472M08  
N0165X1.27577Z-1.27922  
N0170G33Z-2.92535K0.045455  
N0175G00X1.86052  
N0180Z-1.14472  
N0185X1.27577Z-1.27922  
N0190G33Z-2.92535K0.045455  
N0195G00X1.86052  
N0200Z-1.14472  
N0205X1.27577Z-1.27922  
N0210G33Z-2.92535K0.045455  
N0215G00X1.86052  
N0220Z-1.14472  
N0225X20.0Z11.0M09  
N0230T0  
N0235M30  
< END OF Tc-posts >#
```

Post name: Ht30g-tc
 Machine type: Hitachi Seiki HT30G
 Control: Seicos M-III
 IN/MM output: Both
 Abso/Incr: Incremental IK
 X Axis: Diameter
 Programmer's notes: Dealer's standard post, mild customization, has live tooling.

% O0012 (Tc-posts.TAP) N01G50S2000 N02G30U0 N03G30W0 N04G10P0Z0 N05M01 N100 (T01 RR TURNING) T0100M41 G99G96S675M08 G00X1.7576Z0.0688M03 G01Z-0.0313F0.008 Z-0.7838 G02X1.8271Z-0.8864R0.1688 G01X2.6587Z-1.4297 G03X2.6715Z-1.4487R0.0313 G01X2.6715Z-2.7333 G03X2.6669Z-2.7451R0.0313 G01X2.0715Z-3.4723 Z-3.7285 G02X2.509Z-3.9473R0.2188 G01X3.0543Z-3.9473 G00X3.2543 Z0.0688 G97G30U0W0M09 M01 N300 (T03 DRILL)	T0300M41 G97S777M08 G00X0.0Z0.2M03 G83R0.1Z-0.75P0300Q0F0.01 G97G30U0W0M09 M01 N200 (T02 RR THREADING) T0200M41 G97S567M08 G00X3.721Z-1.1447M03 X2.5515Z-1.2792 G32Z-2.9253F.04545 G00X3.721 Z-1.1447 X2.5515Z-1.2792 G32Z-2.9253F.04545 G00X3.721 Z-1.1447 X2.5515Z-1.2792 G32Z-2.9253F.04545 G00X3.721 Z-1.1447 G97G30U0W0M09 M01 M05 G30U0W0 M30 %
--	--

Post name: L10
 Machine type: Hitachi TC
 Control: Seicos M-III
 IN/MM output: Both
 Abso/Incr: R-word for radius
 X Axis: Diameter
 Programmer's notes: Highly customized, supports barpuller, tapping.

```

%
O0012 (Tc-posts.TAP)
N01G50S4000
G30U0W0
M01

      (T01 RR TURNING)
      (1/32R 0.75 TLWDT)
N100
G30U0W0
T0100
M40
G99G96S675M03
G00X1.7576Z0.0688M08
G01Z-0.0313F0.008
Z-0.7838
G02X1.8271Z-0.8864R0.1688
G01X2.6587Z-1.4297
G03X2.6715Z-1.4487R0.0313
G01X2.6715Z-2.7333
G03X2.6669Z-2.7451R0.0313
G01X2.0715Z-3.4723
Z-3.7285
G02X2.509Z-3.9473R0.2188
G01X3.0543Z-3.9473
G00X3.2543
Z0.0688
G00G30G97U0W0M09
M01

      (T03 DRILL)
      (0.25 TLWDT)
N300
G30U0W0

T0300
M40
G99G97S777M03
G00X0.0Z0.2M08
G83R0.1Z-0.75P0300Q0F0.01
G00G30G97U0W0M09
M01

      (T02 RR THREADING)
      (0.7 TLWDT)
N200
G30U0W0
T0200
M40
G99G97S567M03
G00X3.721Z-1.1447
G76X2.5515Z-2.9253K0.06D0.1F0.0454545A60L2
X2.5515Z-2.9253M08
G00G30G97U0W0M09
M01

M05
G28U0W0
M01

/M99
M30
%
#
  
```


Post name: M4-fan5t
Machine type: Mazak Lathe
Control: Fanuc 5T
IN/MM output: Both
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good.

```
N001 G50 X0 Z0 S1111 M08
N002 G96 S675 M38
N003 G00 T0101 M03
N004 G00 X17576 Z688
N005 G01 Z-313 F80
N006 Z-7838
N007 G02 X18271 Z-8864 I1688 K0
N008 G01 X26587 Z-14297
N009 G03 X26715 Z-14487 I-248 K-190
N010 G01 Z-27333
N011 G03 X26669 Z-27451 I-313 K0
N012 G01 X20715 Z-34723
N013 Z-37285
N014 G02 X25090 Z-39473 I2188 K0
N015 G01 X30543
N016 G00 X32543
N017 Z688
N018 X0 Z0 T0100 M09
N019 M01

N020 G50 X0 Z0 S777 M08
N021 G97 S777 M38
N022 G00 T0303 M03
N023 G00 X0 Z2000
N024G83R1000Z-7500P0300Q0F0.01
N025 X0 Z0 T0300 M09
N026 M01

N027 G50 X0 Z0 S567 M08
N028 G97 S567 M38
N029 G00 T0202 M03
N030 G00 X37210 Z-11447
N031 X25515 Z-12792
N032 G76 X25515 Z-29253 K600 D102 A60 E10000
N033 X25515 Z-29253
N034 X0 Z0 T0200 M09
N035 M01

N036 M30
```

Post name: Mazak-tc
 Machine type: Mazak BarTC
 Control: Mazatrol T32B
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Diameter
 Programmer's notes: Source code looks good.

```

% (T03 DRILL)
O0012 G97S777M3
(Tc-posts) G0G98X0.0Z0.2
G0G80G90 G83R0.1Z-0.75K0.3F0.01
N1G50X40.0Z11.0M8 G80M9
G0T0101M39 G0X40.0Z11.0
(T01 RIGHT REAR TURNING) T0300
G50S1111 M1
G96S675M3
G0G99X1.7576Z0.0688 N2G50X40.0Z11.0M8
G1Z-0.0313F0.008 G0T0202M39
Z-0.7838 (T02 RIGHT REAR THREADING)
G2X1.8271Z-0.8864R0.1688 G97S567M3
G1X2.6587Z-1.4297 G0G99X3.721Z-1.1447
G3X2.6715Z-1.4487R0.0313 G76X2.5515Z-2.9253K0.06D1000E0.045455A58
G1Z-2.7333 X3.721Z-1.1447M9
G3X2.6669Z-2.7451R0.0313 G0X40.0Z11.0
G1X2.0715Z-3.4723 T0200
Z-3.7285 M1
G2X2.509Z-3.9473R0.2188 T0100
G1X3.0543 M00
G0X3.2543
Z0.0688M9
G0X40.0Z11.0 N999
T0100 G28U0.0
M1 G28W0.0
M30
N3G50X40.0Z11.0M8 %
G0T0303M39
  
```

Post name: Mazk-tc
Machine type: Mazak Lathe
Control: Mazatrol
N/MM output: Both
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good.

```
%  
N0005 G50 X40.0 Z11.0 S3000  
N0010 G00 T0101  
N0015 G96 S675 M39  
N0020 M03  
N0025 M08  
N0030 G0 G99 X1.7576 Z0.0688  
N0035 G1 Z-0.0313 F0.008  
N0040 Z-0.7838  
N0045 G2 X1.8271 Z-0.8864 I0.1688 K0.0  
N0050 G1 X2.6587 Z-1.4297  
N0055 G3 X2.6715 Z-1.4487 I-0.0248 K-0.019  
N0060 G1 Z-2.7333  
N0065 G3 X2.6669 Z-2.7451 I-0.0313 K0.0  
N0070 G1 X2.0715 Z-3.4723  
N0075 Z-3.7285  
N0080 G2 X2.509 Z-3.9473 I0.2188 K0.0  
N0085 G1 X3.0543  
N0090 G0 X3.2543  
N0095 Z0.0688 M9  
N0100 G28 X0 Z0  
N0105 T0100  
N0110 M01  
  
N0115 G50 X40.0 Z11.0 S3000  
N0120 G00 T0303  
N0125 G97 S777 M39  
N0130 M03  
N0135 M08  
N0140 G0 X0.0 Z0.2  
N0145 G83 R0.1 Z-0.75 K0.3 F0.01  
N0150 G80 M9  
N0155 G28 X0 Z0  
N0160 T0300  
N0165 M01  
  
N0170 G50 X40.0 Z11.0 S3000  
N0175 G00 T0202  
N0180 G97 S567 M39  
N0185 M03  
N0190 M08  
N0195 G0 X3.721 Z-1.1447  
  
N0200 X2.5515 Z-1.2792  
N0205 G32 Z-2.9253 K0.0455  
N0210 G0 X3.721  
N0215 Z-1.1447  
N0220 X2.5515 Z-1.2792  
N0225 G32 Z-2.9253 K0.0455  
N0230 G0 X3.721  
N0235 Z-1.1447  
N0240 X2.5515 Z-1.2792  
N0245 G32 Z-2.9253 K0.0455  
N0250 G0 X3.721  
N0255 Z-1.1447 M9  
N0260 G28 X0 Z0  
N0265 T0200  
N0270 M01  
N0275 M99  
N0280 M30  
%
```

Post name: Maz-qt6g
Machine type: Mazak QT6-G TC
Control: Mazatrol T32B
IN/MM output: Inch
Abso/Incr: Absolute
X Axis: Diameter
Programmer's notes: Source code looks good.

```
%  
:0012  
(PROGRAM Tc-posts)  
T0101  
(T01 RIGHT REAR TURNING)  
G50S1111  
G96S675M3M8  
G00G99X1.7576Z0.0688  
G01Z-0.0313F0.008  
G01Z-0.7838  
G02X1.8271Z-0.8864R0.1688  
G01X2.6587Z-1.4297  
G03X2.6715Z-1.4487R0.0313  
G01Z-2.7333  
G03X2.6669Z-2.7451R0.0313  
G01X2.0715Z-3.4723  
G01Z-3.7285  
G02X2.509Z-3.9473R0.2188  
G01X3.0543  
G00X3.2543  
G00Z0.0688M9  
G00X20.0Z11.0T0100  
  
T0303  
(T03 DRILL)  
G97S777M3M8
```

```
G00G98X0.0Z0.2  
G83R0.1Z-0.75K0.3F0.01  
G80M9  
G00X20.0Z11.0T0300  
  
T0202  
(T02 RIGHT REAR THREADING)  
G97S567M3M8  
G00G99X3.721Z-1.1447  
G00X2.5515Z-1.2792  
G32Z-2.9253K0.0455  
G00X3.721  
G00Z-1.1447  
G00X2.5515Z-1.2792  
G32Z-2.9253K0.0455  
G00X3.721  
G00Z-1.1447  
G00X2.5515Z-1.2792  
G32Z-2.9253K0.0455  
G00X3.721  
G00Z-1.1447M9  
G00X20.0Z11.0T0200  
M55  
M69  
M99  
%
```

Post name: Maz-t32b
 Machine type: Mazak Quickturn 30N Chucker TC
 Control: Mazarol T32B
 IN/MM output: Metric
 Abso/Incr: Absolute
 X Axis: Diameter
 Programmer's notes: Source code looks good.

```

%
O0012
(PART NAME: Tc-posts)
N0005G21G0G80G90
N0010G53
N0015G0X508.0Z279.4T0101
(T01 R TURN)
N0020G50S1111
N0025G96S675M3M8
N0030G0G99X44.643Z1.746
N0035G1Z-0.794F0.008
N0040Z-19.909
N0045G2X46.408R4.286
N0050G1X67.53Z-36.314
N0055G3X67.857R0.794
N0060G1Z-69.425
N0065G3X67.739R0.794
N0070G1X52.617Z-88.196
N0075Z-94.704
N0080G2X63.73R5.556
N0085G1X77.579
N0090G0X82.659
N0095Z1.746M9
N0100X508.0Z279.4T0100
N0105G28U0
N0110G28W0
N0115G0X508.0Z279.4T0303
(T03 DRILL)
N0120G97S777M3M8
N0125G0G98X0.0Z5.08
N0130G83R2.54Z-19.05K0.3F0.01
N0135G80M9
N0140X508.0Z279.4T0300
N0145G28U0
N0150G28W0
N0155G0X508.0Z279.4T0202
(T02 R THREAD)
N0160G97S567M3M8
N0165G0G99X94.514Z-29.076
N0170G76X64.809Z-74.304K1.524D254P2A58F0.045455
N0175X94.514Z-29.076M9
N0180X508.0Z279.4T0200
N0185G28U0
N0190G28W0
N0195M11
N0200M32
N0205M30
%
```

Post name: Mini-L
Machine type: Turnmaster Pro TC
Control: Mini L
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Radial
Programmer's notes: Source code looks good, tabletop lathe.

```
%  
/Tc-posts.TAP  
G90  
G74  
G92X20.0Z11.0  
/ RR TURNING 1-32R 0.75 TLWDT  
T01M06  
M03  
G00X0.8788Z0.0688  
G01Z-0.0313F0.008  
G01Z-0.7838  
G02X0.9135Z-0.8864I0.1688  
G01X1.3293Z-1.4297  
G03X1.3358Z-1.4487I0.0248K0.019  
G01Z-2.7333  
G03X1.3334Z-2.7451I0.0313  
G01X1.0358Z-3.4723  
G01Z-3.7285  
G02X1.2545Z-3.9473I0.2188  
G01X1.5271  
G00X1.6271  
G00Z0.0688  
M25  
/ DRILL0.25 TLWDT  
T06M06  
M03  
G00X0.0Z0.2  
G83R0.1Z-0.75P0300Q0F0.01  
M25  
/ RR THREADING0.7 TLWDT  
T03M06  
M03  
G00X1.8605Z-1.1447  
G00X1.3858Z-1.2792  
G33X0.06Z-2.9253K0.0455I0.1  
M25  
M02  
%  
#
```

Post name: Mit-lo
 Machine type: Mitsubishi Lathe
 Control: Meldas LO
 IN/MM output: Inch
 Abso/Incr: Absolute
 X Axis: Diameter
 Programmer's notes: Source code looks good.

%	G83Z-0.75F0.01
O12	G0X40.0Z11.0
	G54
/G28U0W0	N2T202M13S567
G54	G95
N1T101M13S1111	G97S567
G95	G0X3.721Z-1.1447
G50S1111	G0X2.5515Z-1.2792
G96V675	G32Z-2.9253E.045455
G0X1.7576Z0.0688	G0X3.721
G1Z-0.0313F0.008	G0Z-1.1447
G1Z-0.7838	G0X2.5515Z-1.2792
G2X1.8271Z-0.8864R0.1688	G32Z-2.9253E.045455
G1X2.6587Z-1.4297	G0X3.721
G3X2.6715Z-1.4487R0.0313	G0Z-1.1447
G1Z-2.7333	G0X2.5515Z-1.2792
G3X2.6669Z-2.7451R0.0313	G32Z-2.9253E.045455
G1X2.0715Z-3.4723	G0X3.721
G1Z-3.7285	G0Z-1.1447
G2X2.509Z-3.9473R0.2188	G0X40.0Z11.0
G1X3.0543	G97S1000
G0X3.2543	M24
G0Z0.0688	G4X1.0
G0X40.0Z11.0	M25
G54	G96
N3T303M13S777	G28U0W0
G95	M99
G97S777	%
G0X0.0Z0.2	

Post name: Miy-3452
Machine type: Miyano 3452T
Control: Fanuc / GN OTB
IN/MM output: Both
Abso/Incr: R-word for radius
X Axis: Diameter
Programmer's notes: Highly customized, support barfeed, parts catcher, and sub-spindle.

```
%  
O0012  
N1 G00 T0101 ( MAIN RR TURNING )  
N101 G50 S1111  
N102 G96 S675 M03  
N103 G00 X1.7576 Z0.0688  
N104 G99 G01 Z-0.0313 F0.008 M93  
N105 Z-0.7838  
N106 G02 X1.8271 Z-0.8864 R0.1688  
N107 G01 X2.6587 Z-1.4297  
N108 G03 X2.6715 Z-1.4487 R0.0313  
N109 G01 Z-2.7333  
N110 G03 X2.6669 Z-2.7451 R0.0313  
N111 G01 X2.0715 Z-3.4723  
N112 Z-3.7285  
N113 G02 X2.509 Z-3.9473 R0.2188  
N114 G01 X3.0543  
N115 G00 X3.2543  
N116 Z0.0688  
N117 X40.0 Z11.0  
N118 M01  
N2 G00 T0303 ( DRILL )  
N201 G97 S777 M03  
N202 G00 X0.0 Z0.2  
N203 G83 B-0.75 R0.1 Q3000 F0.01  
N204 G80  
N205 X40.0 Z11.0  
N206 M01  
N3 G00 T0202 ( MAIN RR THREADING )  
N301 G00  
N302 G97 S567 M03 X3.721 Z-1.1447 T0202  
N303 X2.5515 Z-1.2792  
N304 G76 P010160  
N305 G76 Z-2.9253 P600 Q1000 F0.045455  
N306 Z-2.9253 M93  
N307 X40.0 Z11.0  
N308 M01  
N309 M5  
N310 M30
```


Post name: Miybnc3x
Machine type: Miyano BNC 30-40
Control:
IN/MM output: Both
Abso/Incr: R-word for radius
X Axis: Diameter
Programmer's notes: Highly customized, supports barfeeder, has live tooling.

```
%  
:0012  
N5 T0100  
N10 G99  
N15 G50 S1111  
N20 G96 S675 M03  
N25 G00 X1.7576 Z0.0688 T0101 M08  
N30 G01 Z-0.0313 F0.008  
N35 Z-0.7838  
N40 G02 X1.8271 Z-0.8864 R0.1688  
N45 G01 X2.6587 Z-1.4297  
N50 G03 X2.6715 Z-1.4487 R0.0313  
N55 G01 Z-2.7333  
N60 G03 X2.6669 Z-2.7451 R0.0313  
N65 G01 X2.0715 Z-3.4723  
N70 Z-3.7285  
N75 G02 X2.509 Z-3.9473 R0.2188  
N80 G01 X3.0543  
N85 G00 X3.2543  
N90 Z0.0688  
N95 G00 X40.0 Z11.0 M09  
N100 M1  
  
N105 T0300  
N110 G98  
N115 G97 S777 M03  
N120 G00 X0.0 Z0.2 T0303 M28  
N125 G83 B-0.75 R0.1 Q3000 F0.01  
N130 G00 X40.0 Z11.0 M29  
N135 M1  
  
N140 T0200  
N145 G99  
N150 G00  
N155 G97 S567 M03 T0202 M08  
N160 G76 P020060  
N165 G76 X2.5515 Z-2.9253 P600 Q1000 F0.045455 M24  
N170 G00 X40.0 Z11.0 M09  
N175 M1  
  
N180 M02  
  
%
```

Post name: Mori-tc
 Machine type: Mori Seiki
 Control: Yasnac 3000G
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Negative Diameter
 Programmer's notes: Source code looks good.

```

N1G50T0000M8
G0T0001M42
G97S1111M3          (0.75 RR 52 DEG. DIAMOND W/0.0313 R)
G0X-17576Z688
G96S675
G1Z-313F80
Z-7838
G3X-18271Z-8864I-1688K0
G1X-26587Z-14297
G2X-26715Z-14487I248K-190
G1Z-27333
G2X-26669Z-27451I313K0
G1X-20715Z-34723
Z-37285
G3X-25090Z-39473I-2188K0
G1X-30543
G0X-32543
Z688
G51M9
M1
  
```

```

N3G50T0000M8
G0T0003M42
G97S777M3          (0.25 DRILL)
G0X0Z2000
G83R1000Z-7500P0300Q0F0.01
G80
G51M9
M1
  
```

```

N2G50T0000M8
G0T0002M42
G97S567M3          (0.7 RR THREADING)
G0X-37210Z-11447
X-25515Z-12792
G32Z-29253F.04545          G32Z-29253F.04545
G0X-37210          G0X-37210
Z-11447          Z-11447
X-25515Z-12792          G51M9
G32Z-29253F.04545          M1
G0X-37210          T0000
Z-11447          M30
X-25515Z-12792
  
```

Post name: Nak-10te
Machine type: Nakamura Lathe
Control: Fanuc 10TE
IN/MM output: Both
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good.

```
O0012 (Tc-posts)
N10G20G40G54G99
(T01 RIGHT REAR TURNING)
N20G50S1111
N30M41
N40G96S675M03T0101
N50G00X1.7576Z0.0688M08
N60G01Z-0.0313F0.008
N70Z-0.7838
N80G02X1.8271Z-0.8864I0.1688K0.0
N90G01X2.6587Z-1.4297
N100G03X2.6715Z-1.4487I-0.0248K-
0.019
N110G01Z-2.7333
N120G03X2.6669Z-2.7451I-0.0313K0.0
N130G01X2.0715Z-3.4723
N140Z-3.7285
N150G02X2.509Z-3.9473I0.2188K0.0
N160G01X3.0543
N170G00X3.2543
N180Z0.0688M09
N190X40.0Z11.0
N200T0100
N210M01
(T03 DRILL)
N220M41
N230G97S777M03T0303
N240G00X0.0Z0.2M08
N250G83R0.1Z-0.75P0300Q0F0.01
N260G80M09
N270X40.0Z11.0
N280T0300
N290M01
(T02 RIGHT REAR THREADING)
N300M41
N310G97S567M03T0202
N320G00X3.721Z-1.1447M08
N330X2.5515Z-1.2792
N340G32Z-2.9253F.04545
N350G00X3.721
N360Z-1.1447
N370X2.5515Z-1.2792
N380G32Z-2.9253F.04545
N390G00X3.721
N400Z-1.1447
N410X2.5515Z-1.2792
N420G32Z-2.9253F.04545
N430G00X3.721
N440Z-1.1447M09
N450X40.0Z11.0
N460T0200
N470M01
N480M30
%
```

Post name: Okuma-tc
 Machine type: Okuma
 Control: Fanuc 11T
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Diameter
 Programmer's notes: Source code looks good.

```

%
O0012
N1(Tc-posts)
N2G50X40.0Z11.0
N3( RIGHT REAR TURNING T01)
N4G00T0101M25
N5G50S1111
N6G96S675M04
N7G0X1.7576Z0.0688M08
N8G1Z-0.0313F0.008
N9Z-0.7838
N10G2X1.8271Z-0.8864I0.1688K0.0
N11G1X2.6587Z-1.4297
N12G3X2.6715Z-1.4487I-0.0248K-
0.019
N13G1Z-2.7333
N14G3X2.6669Z-2.7451I-0.0313K0.0
N15G1X2.0715Z-3.4723
N16Z-3.7285
N17G2X2.509Z-3.9473I0.2188K0.0
N18G1X3.0543
N19G0X3.2543
N20Z0.0688M09
N21G27X40.0Z11.0T0100M05
N22M01

N23G50X40.0Z11.0
N24( DRILL T03)
N25G00T0303M25

N26G97S777M04
N27G0X0.0Z0.2M08
N28G83R0.1Z-0.75P0300Q0F0.01
N29G80M09
N30G27X40.0Z11.0T0300M05
N31M01

N32G50X40.0Z11.0
N33( RIGHT REAR THREADING T02)
N34G00T0202M25
N35G97S567M04
N36G0X3.721Z-1.1447M08
N37X2.5515Z-1.2792
N38G32Z-2.9253K0.0455
N39G0X3.721
N40Z-1.1447
N41X2.5515Z-1.2792
N42G32Z-2.9253K0.0455
N43G0X3.721
N44Z-1.1447
N45X2.5515Z-1.2792
N46G32Z-2.9253K0.0455
N47G0X3.721
N48Z-1.1447M09
N49G27X40.0Z11.0T0200M05
N50T0100M01

N51M30
%
```

Post name: Osp_u10l
Machine type: Okuma Lathe
Control: OSP U10L
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Mild customization.

```
%  
G00 X40. Z11.  
NAT01  
G50 S1111  
T0101 ( TURN OD .0313 R)  
G96 S675 M03  
G00 X1.7576 Z0.0688 M8  
G01 Z-0.0313 F0.008  
Z-0.7838  
G02 X1.8271 Z-0.8864 I0.1688 K0.  
G01 X2.6587 Z-1.4297  
G03 X2.6715 Z-1.4487 I-0.0248 K-0.019  
G01 Z-2.7333  
G03 X2.6669 Z-2.7451 I-0.0313 K0.  
G01 X2.0715 Z-3.4723  
Z-3.7285  
G02 X2.509 Z-3.9473 I0.2188 K0.  
G01 X3.0543  
G00 X3.2543  
Z0.0688  
X40. Z11. G97 S300 M9  
M1  
NAT03  
G50 S777  
T0303 ( DIA=.25 DRILL)  
G97 S777 M03  
G00 X0. Z0.2 M8  
X40. Z11. G97 S300 M9  
M1  
NAT02  
G50 S567  
T0202 ( THREAD OD)  
G97 S567 M03  
G00 X3.721 Z-1.1447  
G71 B30. D0.2 H0.06 F0.0455  
X40. Z11. G97 S300  
M02
```

Post name: Osp-5001
Machine type: Okuma Crown S Lathe
Control: OSP 500L
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good.

```
%  
N0005 G00 X40. Z11.  
N0010 G50 S3800  
N0015 ( TURN OD .0313 R)  
N0020 G96 S675 M03 M42  
N0025 G00 X1.7576 Z0.0688 T0101  
N0030 G01 Z-0.0313 F0.008  
N0035 Z-0.7838  
N0040 G02 X1.8271 Z-0.8864 I0.1688 K0.  
N0045 G01 X2.6587 Z-1.4297  
N0050 G03 X2.6715 Z-1.4487 I-0.0248 K-0.019  
N0055 G01 Z-2.7333  
N0060 G03 X2.6669 Z-2.7451 I-0.0313 K0.  
N0065 G01 X2.0715 Z-3.4723  
N0070 Z-3.7285  
N0075 G02 X2.509 Z-3.9473 I0.2188 K0.  
N0080 G01 X3.0543  
N0085 G00 X3.2543  
N0090 Z0.0688  
N0095 G97 S1415  
N0100 X40. Z11. T0100  
N0105 ( DIA=.25 DRILL)  
N0110 G97 S777 M03 M42  
N0115 G00 X0. Z0.2 T0303  
N0120 G97 S1415  
N0125 X40. Z11. T0300  
N0130 ( THREAD OD)  
N0135 G97 S567 M03 M42  
N0140 G00 X3.721 Z-1.1447 T0202  
N0145 G71 B30. D0.2 H0.06 F0.0455  
N0150 G97 S1415  
N0155 X40. Z11. T0200  
N0160 M02
```

Post name: Osp-7001
Machine type: Okuma Crown S Lathe
Control: OSP 700L
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks OK.

```
%  
N0005 G00 X40. Z11.  
N0010 G50 S3800  
N0015 ( TURN OD .0313 R)  
N0020 G96 S675 M03 M42  
N0025 G00 X1.7576 Z0.0688 T0101  
N0030 G01 Z-0.0313 F0.008  
N0035 Z-0.7838  
N0040 G02 X1.8271 Z-0.8864 I0.1688 K0.  
N0045 G01 X2.6587 Z-1.4297  
N0050 G03 X2.6715 Z-1.4487 I-0.0248 K-0.019  
N0055 G01 Z-2.7333  
N0060 G03 X2.6669 Z-2.7451 I-0.0313 K0.  
N0065 G01 X2.0715 Z-3.4723  
N0070 Z-3.7285  
N0075 G02 X2.509 Z-3.9473 I0.2188 K0.  
N0080 G01 X3.0543  
N0085 G00 X3.2543  
N0090 Z0.0688  
N0095 G97 S1415  
N0100 X40. Z11. T0100  
N0105 ( DIA=.25 DRILL)  
N0110 G97 S777 M03 M42  
N0115 G00 X0. Z0.2 T0303  
N0120 G97 S1415  
N0125 X40. Z11. T0300  
N0130 ( THREAD OD)  
N0135 G97 S567 M03 M42  
N0140 G00 X3.721 Z-1.1447 T0202  
N0145 G71 B30. D0.2 H0.06 F0.0455  
N0150 G97 S1415  
N0155 X40. Z11. T0200  
N0160 M02
```

Post name: Osp-u10l
Machine type: Okuma Lathe
Control: OSP U10L
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good.

```
%  
N1 G00 X40. Z11.  
N2 G50 S1111  
N3 T010101 ( TURN OD .0313 R)  
N4 G97 S300 M03  
N5 G00 X1.7576 Z0.0688  
N6 G96 S675 M03 M42  
N7 G01 Z-0.0313 F0.008  
N8 Z-0.7838  
N9 G02 X1.8271 Z-0.8864 I0.1688 K0.  
N10 G01 X2.6587 Z-1.4297  
N11 G03 X2.6715 Z-1.4487 I-0.0248 K-0.019  
N12 G01 Z-2.7333  
N13 G03 X2.6669 Z-2.7451 I-0.0313 K0.  
N14 G01 X2.0715 Z-3.4723  
N15 Z-3.7285  
N16 G02 X2.509 Z-3.9473 I0.2188 K0.  
N17 G01 X3.0543  
N18 G00 X3.2543  
N19 Z0.0688  
N20 X40. Z11. G97 S300  
N21 G50 S777  
N22 T030303 ( DIA=.25 DRILL)  
N23 G97 S300 M03  
N24 G00 X0. Z0.2  
N25 G97 S777 M03 M42  
N26 X40. Z11. G97 S300  
N27 G50 S567  
N28 T020202 ( THREAD OD)  
N29 G97 S300 M03  
N30 G97 S567 M03 M42  
N31 G00 X3.721 Z-1.1447  
N32 G71 B30. D0.2 H0.06 F0.0455  
N33 X40. Z11. G97 S300  
N34 M02
```


Post name: Reg-1050
Machine type: Regal Lathe
Control: GE 1050T
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Negative Radial
Programmer's notes: Source code looks OK.

###< Tc-posts >#

%

\$0000012

N10G70

N20G90

N30G95M08

N40S12T0101M06

N50G92X-20.0000Z11.0000

N60G21X-0.8788Z0.0688F00

N70Z-0.0313F80

N80Z-0.7838

N90G23X-0.9135Z-0.8864I0.1688

N100G21X-1.3293Z-1.4297

N110G22X-1.3358Z-1.4487I0.0248K0.0190

N120G21Z-2.7333

N130G22X-1.3334Z-2.7451I0.0313

N140G21X-1.0358Z-3.4723

N150Z-3.7285

N160G23X-1.2545Z-3.9473I0.2188

N170G21X-1.5271

N180X-1.6271F00

N190Z0.0688

N200X-20.0000Z11.0000M09

N210T0100M08

N220S11T0303M06

N230G21X0.0000Z0.2000F00

N240X-20.0000Z11.0000M09

N250T0300M08

N260S10T0202M06

N270G21X-1.8605Z-1.1447F00

N280X-1.2758Z-1.2792

N290G33Z-2.9253K-0.045455

N300G21X-1.8605

N310Z-1.1447

N320X-1.2758Z-1.2792

N330G33Z-2.9253K-0.045455

N340G21X-1.8605

N350Z-1.1447

N360X-1.2758Z-1.2792

N370G33Z-2.9253K-0.045455

N380G21X-1.8605

N390Z-1.1447

N400X-20.0000Z11.0000M09

N410T0200M30

%

#< END OF Tc-posts>#

Post name: Star
Machine type: Pratt & Whitney Starturn 820 Lathe
Control: Pratt & Whitney 6402
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Radial
Programmer's notes: Source code looks good.

```
%  
N5T000M99  
O10G90  
N15G00X20.0Z11.0T100  
N20G96I20.0K1111S1111M03  
N25G00X0.8788Z0.0688T101  
N30G95  
N35G01Z-0.0313F.008  
N40Z-0.7838  
N45G02X0.9135Z-0.8864I1.0475K-0.7838  
N50G01X1.3293Z-1.4297  
N55G03X1.3358Z-1.4487I1.3045K-1.4487  
N60G01Z-2.7333  
N65G03X1.3334Z-2.7451I1.3045K-2.7333  
N70G01X1.0358Z-3.4723  
N75Z-3.7285  
N80G02X1.2545Z-3.9473I1.2545K-3.7285  
N85G01X1.5271  
N90G00X1.6271  
N95Z0.0688  
N100X20.0Z11.0T0000  
O105G90  
N110G00X20.0Z11.0T300  
N115G97S777M03  
N120G00X0.0Z0.2T303  
N125X20.0Z11.0T0000  
O130G90  
N135G00X20.0Z11.0T200  
N140G97S567M03  
N145G00X1.8605Z-1.1447T202  
N150X1.2758Z-1.2792  
N155G33Z-2.9253F-0.045455  
N160X1.8605  
N165Z-1.1447  
N170X1.2758Z-1.2792  
N175G33Z-2.9253F-0.045455  
N180X1.8605  
N185Z-1.1447  
N190X1.2758Z-1.2792  
N195G33Z-2.9253F-0.045455  
N200X1.8605  
N205Z-1.1447M02  
N210  
N215X20.0Z11.0T0000  
N220M30  
%
```

Post name: TI-500
Machine type: Mori Seiki
Control: Fanuc
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Negative Diameter
Programmer's notes: Source code looks OK.

```
%M05  
N100G50X0Z0  
N101G00T0101S08M03  
N102G00X-17576Z688M07  
N103G01Z-313F80  
N104Z-7838  
N105G03X-18271Z-8864I-1688K0  
N106G01X-26587Z-14297  
N107G02X-26715Z-14487I248K-190  
N108G01Z-27333  
N109G02X-26669Z-27451I313K0  
N110G01X-20715Z-34723  
N111Z-37285  
N112G03X-25090Z-39473I-2188K0  
N113G01X-30543  
N114G00X-32543  
N115Z688  
N116X0Z0  
N117T0100  
  
N300G50X0Z0  
N301G00T0303S07M03  
N302G00X0Z2000M08  
N303G83R1000Z-7500P0300Q0F0.01  
N304X0Z0  
N305T0300  
  
N200G50X0Z0  
N201G00T0202S06M03  
N202G00X-37210Z-11447  
N203X-25515Z-12792M07  
N204G76X-25515Z-29253K600D102F100A60  
N205X-25515Z-29253M07  
N206X0Z0  
N207T0200  
N208M30  
%  
#
```

Post name: Tos-tc
 Machine type: TOS Huelin Vertical TC
 Control: Siemens 810
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Radial
 Programmer's notes: source code looks OK.

```

%MPF12
N1 M47
N2 R01=1 L730
N3 L193 R60=2
N4 T1 M6
N5 G00 G95
N6 G00 X20.0 Z11.0 D1
N7 G92 S1111
N8 G96 X20.0 S675
N9 X0.8788 Z0.0688 M03 M42
N10 M08
N11 G1 Z-0.0313 F0.008
N12 Z-0.7838
N13 G2 X0.9135 Z-0.8864 I0.1688
K0.0
N14 G1 X1.3293 Z-1.4297
N15 G3 X1.3358 Z-1.4487 I-0.0248
K-0.019
N16 G1 Z-2.7333
N17 G3 X1.3334 Z-2.7451 I-0.0313
K0.0
N18 G1 X1.0358 Z-3.4723
N19 Z-3.7285
N20 G2 X1.2545 Z-3.9473 I0.2188
K0.0
N21 G1 X1.5271
N22 G0 X1.6271
N23 Z0.0688
N24 G97
N25 G00 X20.0 Z11.0
N26 M05 M09
N27 L193 R60=2
N28 T3 M6
N29 M47
N30 G00 G95
N31 G00 X20.0 Z11.0 D3
N32 S777 M03 M42
N33 X0.0 Z0.2
  
```

```

N34 M08
N35 G00 G94
N36 R02=0.1 R03=-0.75 R10=0.2
R00=5 R01=0.6 R05=0.3 R04=1 R011=1
F0.01
N37 G83
N38 G80
N39 G00 X20.0 Z11.0
N40 M05 M09
N41 L193 R60=2
N42 T2 M6
N43 M47
N44 G00 G95
N45 G00 X20.0 Z11.0 D2
N46 S567 M03 M42
N47 X1.8605 Z-1.1447
N48 M08
N49 X1.2758 Z-1.2792
N50 G33 Z-2.9253 K0.0455
N51 G0 X1.8605
N52 Z-1.1447
N53 X1.2758 Z-1.2792
N54 G33 Z-2.9253 K0.0455
N55 G0 X1.8605
N56 Z-1.1447
N57 X1.2758 Z-1.2792
N58 G33 Z-2.9253 K0.0455
N59 G0 X1.8605
N60 Z-1.1447
N61 G00 X20.0 Z11.0
N62 M05 M09
N63 L193 R60=2
N64 L193 R60=1
N65 T7 M6
N66 M47
N67 M30
$
  
```

Post name: Vk45-tc
 Machine type: Hitachi Seiki
 Control: VK45
 IN/MM output: Both
 Abso/Incr: R-word for radius
 X Axis: Diameter
 Programmer's notes: Source code looks good.

```

%
O0012
(Tc-posts.TAP)
N01G50S4000
N02G28U0
N03G28W0
N04M01

N100T0100M40 (T01 RR TURNING)
G96S675M03
G00X1.7576Z0.0688M08
G01Z-0.0313F0.008
Z-0.7838
G02X1.8271Z-0.8864R0.1688
G01X2.6587Z-1.4297
G03X2.6715Z-1.4487R0.0313
G01X2.6715Z-2.7333
G03X2.6669Z-2.7451R0.0313
G01X2.0715Z-3.4723
Z-3.7285
G02X2.509Z-3.9473R0.2188
G01X3.0543Z-3.9473
G00X3.2543
Z0.0688
G97G30U0W0M09
M01

N300T0300M40 (T03 DRILL)
G97S777M03
G00X0.0Z0.2M08

G83R0.1Z-0.75P0300Q0F0.01
G97G30U0W0M09
M01

N200T0200M40 (T02 RR THREADING)
G97S567M03
G00X3.721Z-1.1447M08
X2.5515Z-1.2792
G32Z-2.9253F.04545
G00X3.721
Z-1.1447
X2.5515Z-1.2792
G32Z-2.9253F.04545
G00X3.721
Z-1.1447
X2.5515Z-1.2792
G32Z-2.9253F.04545
G00X3.721
Z-1.1447
G97G30U0W0M09
M01

M05
G28U0W0

M30
%
#
  
```

Post name: Ws7360
Machine type: Warner Swasey Lathe
Control: Allen Bradley 7360
IN/MM output: Inch
Abso/Incr: Incremental IK
X Axis: Radial
Programmer's notes: Source code looks good.

```
#< Tc-posts Tue Apr 10 14:06:59
2001'%
N0010 G95
N0020 G92 X20.0 Z11.0 M08
N0030 G90 T0101 M80 (T1 TURNING
TOOL)
N0040 G92 S1111
N0050 G96 S0675 R00.8788 M04
N0060 G94
N0070 G21 X00.8788 Z00.0688 F0
N0080 G95
N0090 G21 Z-00.0313 F0.008
N0100 Z-00.7838
N0110 G23 X00.9135 Z-00.8864
I00.1688 K0
N0120 G21 X01.3293 Z-01.4297
N0130 G22 X01.3358 Z-01.4487
I00.0248 K00.019
N0140 G21 Z-02.7333
N0150 G22 X01.3334 Z-02.7451
I00.0313 K0
N0160 G21 X01.0358 Z-03.4723
N0170 Z-03.7285
N0180 G23 X01.2545 Z-03.9473
I00.2188 K0
N0190 G21 X01.5271
N0200 G94
N0210 G21 X01.6271 F0
N0220 Z00.0688
N0230 X20.0 Z11.0
N0240 G01 T0000
N0250 M01
N0260 G95
N0270 G92 X20.0 Z11.0 M08
N0280 G90 T0303 M80 (T3 DRILL)
N0290 G97 S0777 M04
N0300 G94
N0310 G21 X00.0 Z00.2 F0
N0320 X20.0 Z11.0
N0330 G01 T0000
N0340 M01
N0350 G95
N0360 G92 X20.0 Z11.0 M08
N0370 G90 T0202 M80 (T2 THREADING
TOOL)
N0380 G97 S0567 M04
N0390 G94
N0400 G21 X01.8605 Z-01.1447 F0
N0410 X01.2758 Z-01.2792
N0420 G33 Z-02.9253 K-.04545
N0430 G21 X01.8605 F0
N0440 Z-01.1447
N0450 X01.2758 Z-01.2792
N0460 G33 Z-02.9253 K-.04545
N0470 G21 X01.8605 F0
N0480 Z-01.1447
N0490 X01.2758 Z-01.2792
N0500 G33 Z-02.9253 K-.04545
N0510 G21 X01.8605 F0
N0520 Z-01.1447
N0530 X20.0 Z11.0
N0540 G01 T0000
N0550 M01
N0560 G95
N0570 M30
#<END OF Tc-posts >#
```

Post name: Ws-7360
 Machine type: Warner Swasey Lathe
 Control: Allen Bradley 7360
 IN/MM output: Inch
 Abso/Incr: Incremental IK
 X Axis: Radial
 Programmer's notes: Source code looks good.

```

%
N0010G95
N0020G92X20.0Z11.0M08
N0030G90T0101M80
N0040G92S1111
N0050G96S0675R.8788M04
N0060G21X.8788Z.0688F0
N0070G21Z-.0313F.008
N0080Z-.7838
N0090G23X.9135Z-.8864I.1688K0
N0100G21X1.3293Z-1.4297
N0110G22X1.3358Z-1.4487I.0248K.019
N0120G21Z-2.7333
N0130G22X1.3334Z-2.7451I.0313K0
N0140G21X1.0358Z-3.4723
N0150Z-3.7285
N0160G23X1.2545Z-3.9473I.2188K0
N0170G21X1.5271
N0180G21X1.6271F0
N0190Z.0688
N0200X20.0Z11.0
N0210T0M81
N0220M01
N0230G95

N0240G92X20.0Z11.0M08
N0250G90T0303M80
N0260G97S0777M04

N0270G21X.0Z.2F0
N0280X20.0Z11.0
N0290T0M81
N0300M01
N0310G95

N0320G92X20.0Z11.0M08
N0330G90T0202M80
N0340G97S0567M04
N0350G21X1.8605Z-1.1447F0
N0360X1.2758Z-1.2792
N0370G33Z-2.9253K-.04545
N0380G21X1.8605F0
N0390Z-1.1447
N0400X1.2758Z-1.2792
N0410G33Z-2.9253K-.04545
N0420G21X1.8605F0
N0430Z-1.1447
N0440X1.2758Z-1.2792
N0450G33Z-2.9253K-.04545
N0460G21X1.8605F0
N0470X20.0Z11.0
N0480T0M81
N0490M01
N0500G95
N0510T0200
N0520M30
#<END OF Tc-posts >#
  
```

Post name: Yas-2000
Machine type: Mori Seiki
Control: Yasnac 2000C
IN/MM output: Both
Abso/Incr: Incremental IK
X Axis: Negative Diameter
Programmer's notes: Source code looks good.

```
%
O0012
N0001G00M07
G50Z100000X-131500
T0101M42
G96S675M03
G00X-17576Z688
G01Z-313F80
Z-7838
G03X-18271Z-8864I-1688K0
G01X-26587Z-14297
G02X-26715Z-14487I248K-190
G01Z-27333
G02X-26669Z-27451I313K0
G01X-20715Z-34723
Z-37285
G03X-25090Z-39473I-2188K0
G01X-30543
G00X-32543
Z688
G00Z100000X-131500
T0100M09

N0002G00M08

G50Z100000X-131500
T0303M42
G97S777M03
G00X0Z2000
G83R1000Z-7500P0300Q0F0.01
G00Z100000X-131500
T0300M09

N0003G00M07
G50Z100000X-131500
T0202M42
G97S567M03
G00X-37210Z-11447
X-25515Z-12792M07
G76X-25515Z-29253K600D102E10000A60
X-25515Z-29253M07
G00Z100000X-131500
T0200M09

M05
/M30
M02
%
#
```


Post name: Yas2000b
Machine type: Mori Seiki Lathe
Control: Yasnac 2000B
IN/MM output: Both
Abso/Incr: Incremental IK
X Axis: Negative Diameter
Programmer's notes: Source code looks OK.

```
%
N0001G50X-400000Z110000
N0002G50X-400000Z110000S1400
G00T0101
M42
G97S1111M03
G00X-17576Z688M08
G96S675
G01Z-313F80
Z-7838
G00X-18271Z-8864I-1688K0
X-26587Z-14297
G00X-26715Z-14487I248K-190
Z-27333
G00X-26669Z-27451I313K0
X-20715Z-34723
Z-37285
G00X-25090Z-39473I-2188K0
X-30543
G00X-32543
Z688
G00X-400000Z110000M09
T0100
M01
N0003G50X-400000Z110000S1400
G00T0303
M42
G97S777M03
G00X0Z2000M08
G83R1000Z-7500P0300Q0F0.01
G00X-400000Z110000M09
T0300
M01
N0004G50X-400000Z110000S1400
G00T0202
M42
G97S567M03
G00X-37210Z-11447M08
X-25515Z-12792
G33Z-29253K455
G00X-37210
Z-11447
X-25515Z-12792
G33Z-29253K455
G00X-37210
Z-11447
X-25515Z-12792
G33Z-29253K455
G00X-37210
Z-11447
G00X-400000Z110000M09
T0200
M01
M05
M02
%
#
```

Post name: Yasn-lx3
Machine type: Mori Seiki Lathe
Control: Yasnac LX3
IN/MM output: Both
Abso/Incr: Incremental IK
X Axis: Diameter
Programmer's notes: Source code looks good.

```
%
O0012
(Tc-posts)
( Tue Apr 10 14:08:50 2001')
G50S2200

N100G00T0100 (T1 TURNING TOOL)
G99M40
G96S675M08
G00X1.7576Z0.0688M03
G01Z-0.0313F0.008
Z-0.7838
G02X1.8271Z-0.8864R0.1688
G01X2.6587Z-1.4297
G03X2.6715Z-1.4487R0.0313
G01Z-2.7333
G03X2.6669Z-2.7451R0.0313
G01X2.0715Z-3.4723
Z-3.7285
G02X2.509Z-3.9473R0.2188
G01X3.0543
G00X3.2543
Z0.0688
G97G30U0W0
M01

N300G00T0300 (T3 DRILL)
G98M40
G00X0.0Z0.2M08

G98G83R0.1Z-0.75P0300Q0F0.01
G97G30U0W0
M01

N200G00T0200 (T2 THREADING TOOL)
G99M40
G00X3.721Z-1.1447M08
X2.5515Z-1.2792
G33Z-2.9253E-.045455
G00X3.721
Z-1.1447
X2.5515Z-1.2792
G33Z-2.9253E-.045455
G00X3.721
Z-1.1447
X2.5515Z-1.2792
G33Z-2.9253E-.045455
G00X3.721
Z-1.1447
G97G30U0W0
M01

M09
M05
G28U0W0
M30

%
```

Post name: Yas-tc
 Machine type: Yasnac
 Control: Seicos M-III
 IN/MM output: Both
 Abso/Incr: R-word for radius
 X Axis: Diameter
 Programmer's notes: This is a dealer's standard post.

%	G83R0.1Z-0.75P0300Q0F0.01
O0012	G97G30U0W0M09
(Tc-posts.TAP)	M01
N01G50S4000	
N02G28U0	N200T0200M40 (T02 RR THREADING)
N03G28W0	G97S567M03
N04M01	G00X3.721Z-1.1447M08
	X2.5515Z-1.2792
N100T0100M40 (T01 RR TURNING)	G32Z-2.9253F.04545
G96S675M03	G00X3.721
G00X1.7576Z0.0688M08	Z-1.1447
G01Z-0.0313F0.008	X2.5515Z-1.2792
Z-0.7838	G32Z-2.9253F.04545
G02X1.8271Z-0.8864R0.1688	G00X3.721
G01X2.6587Z-1.4297	Z-1.1447
G03X2.6715Z-1.4487R0.0313	X2.5515Z-1.2792
G01X2.6715Z-2.7333	G32Z-2.9253F.04545
G03X2.6669Z-2.7451R0.0313	G00X3.721
G01X2.0715Z-3.4723	Z-1.1447
Z-3.7285	G97G30U0W0M09
G02X2.509Z-3.9473R0.2188	M01
G01X3.0543Z-3.9473	
G00X3.2543	M05
Z0.0688	G28U0W0
G97G30U0W0M09	
M01	
N300T0300M40 (T03 DRILL)	M30
G97S777M03	%
G00X0.0Z0.2M08	#