

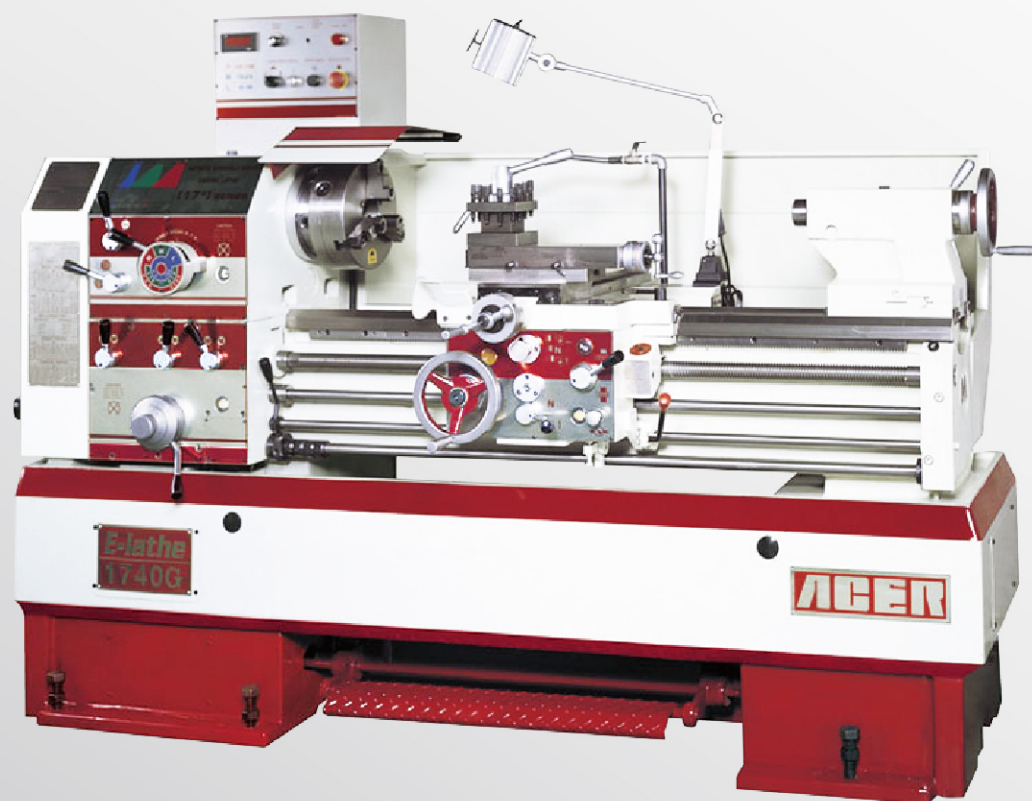
# ACER

## ACER GROUP

*Technology • Creativity • Reliability*

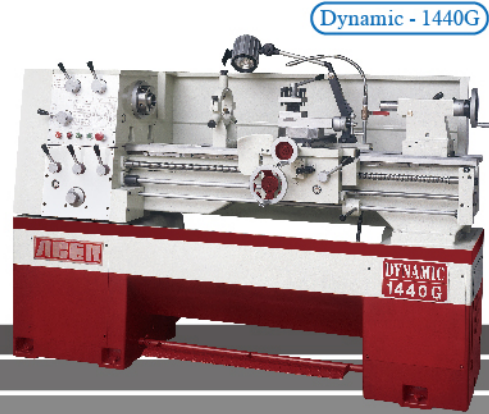
*An Unswerving Commitment to Excellence*

## ACER High Precision Engine Lathe Dynamic & E-lathe series



## Standard Accesories

- Gap Bed
- Face Plate
- Operational Manual
- Halogen Light
- Built-in Coolant System
- Touch-up Paint Tool Box W/Tools
- Four Way Tool Post



## Specification

ITEM	MODEL	1340G	1440G
General Capacity	Center height	6-1/2" (165mm)	6-3/4" (170mm)
	Swing over bed	13" (330mm)	14" (360mm)
	Swing over gap (Gap type only)	19-1/4" (480mm)	21" (538mm)
	Swing over cross slide	7-5/8" (195mm)	9" (233mm)
	Distance between centers	40" (1000mm)	
Main Spindle	Spindle nose	D1-4 or A1-5	
	Spindle bore diameter	1-1/2" (40mm)	1-9/16" (40mm)
	Type of spindle nose	MT.# 5	
	Taper of center	MT.# 3	
	Spindle speeds	80~2000 RPM(9 steps)	85~2000 RPM(8 steps)
Carriage	Cross slide travel	6-7/8" (170mm)	8-1/16" (205mm)
	Compound rest travel	3-3/4" (95mm)	
	Max. size cutting tool	3/4" x 3/4" (19x19mm)	
Tailstock	Spindle diameter	1-7/16" (36mm)	1-1/2" (38mm)
	Spindle travel	4-3/8" (110mm)	
	Taper of center	MT.# 3	
Bed	Bed length	54" (1370mm)	58" (1473mm)
	Bed width	7-1/2" (190mm)	10" (250mm)
	Width of gap	7-5/8" (190mm)	10" (254mm)
Threading & Feeding	System	Inch	Inch / Metric
	Pitch of leadscrew	24 Ø, 4 TPI	25 Ø, 4 TPI, 6mm
	Metric pitch threads	0.4~7mm/pitch(30 kinds)	0.25~6mm/pitch(22 kinds)
	Inch pitch threads	4~56 TPI (32 kinds)	4~112 TPI(40 kinds)
	Module pitch threads	-	0.25~3.0 M.P.(optional)
	Diametral pitch threads	-	8~112 D.P.(optional)
	Range of longitudinal feeds	0.0016"~0.03"/rev.	0.002~0.04"/rev. 0.05~1.0mm/rev.
Range of cross feeds	0.0008"~0.015"/rev.	0.001~0.02"/rev. 0.025~0.5mm/rev.	
Power	Main drive motor	3HP	
	Rapid traverse motor	-	
	Coolant pump motor	1/8 HP (0.1KW)	
Floor Dimension		67-3/4" x 28-3/8" 185x76cm	75" x 30" 191x77cm
Net Weight (lbs.)		1320 lbs. (600kgs)	1590 lbs. (723kgs)
Gross Weight (lbs.)		1540 lbs. (700kgs)	1850 lbs. (841kgs)
Packing Dimension (L x W x H)		75" x 30" x 58" 190x76x147cm	78" x 30" x 60" 198x76x152cm

Note: The manufacturer reserves the right to modify the design, specification, mechanisms, etc., to improve the performance of the machine without prior notice.

# Lathe – Dynamic Series & E-Lathe series

## Optional Accessories

- 3-jaw Scroll Chuck
- 4-jaw Independent Chuck
- 3-jaw adaptor plate
- 4-jaw Adaptor Plate
- Steady Rest
- Follow Rest
- LED Light
- 4-position Carriage Stop
- Micro Carriage Stop
- Live Centers
- Taper Turning Attachment
- Splash Guard

Dynamic - 1740G



Dynamic - 2160GH



1740G / 1760G / 1780G	2140GH / 2160GH / 2180GH / 21120GH
8-1/2" (215mm)	10.62" (270mm)
17" (430mm)	21.25" (540mm)
26" (660mm)	26.77" (720mm)
9-5/8" (245mm)	14.17" (360mm)
40"/60"/80" (1000/1500/2000mm)	39.37"/59"/78.74"/118.11" (1000/1500/2000/3000mm)
D1-6 or A1-6	D1-8 or A1-11
2-1/4" (58mm)	3-3/10" (85mm)
MT.# 6	01:16:00
MT.# 4	MT.# 5
50~1800 RPM (12 steps)	25~1545 RPM 18 steps
9-4/5" (250mm)	13" (330mm)
7" (180mm)	5-9/10" (150mm)
1" x 1" (25x25mm)	1" x 1" (25x25mm)
2-1/4" (58mm)	2-19/20" (75mm)
6" (150mm)	6-7/10" (170mm)
MT.# 4	MT.# 5
76.8"/96.1"/116.5" (1950/2440/2960mm)	79.5"/99.2"/118.9"/158.3" (2020/2520/3020/4020mm)
11-7/8" (300mm)	13-8/10" (350mm)
8-3/4" (222mm)	11-1/5" (285mm)
Inch / Metric	Inch / Metric
35 Ø, 4 TPI	35 Ø 4 TPI or 6mm/pitch
0.5~7.0mm/pitch (22 kinds)	0.5~7.0mm/pitch (24kinds)
4~56 TPI (36 kinds)	4~56 TPI (36 kinds)
0.5~3.5 M.P. (12 kinds)	0.25~3.5 M.P. (16 kinds)
8~56 D.P. (21 kinds)	8~112 D.P. (36 kinds)
0.002"~0.028"/rev. (0.05~0.70mm/rev.)	0.002"~0.035"/rev. (0.06~0.88mm/rev.)
0.001"~0.014"/rev. (0.025~0.35mm/rev.)	0.001"~0.0175"/rev. (0.03~0.44mm/rev.)
7.5 HP	10 HP
	90W (Opt.)
85"/105"/126" x 40" 215/265/320 x 110cm	87"/107"/127"/168" x 26" 221/271/321/426 x 66cm
3520/3950/5060 lbs. 1600/1700/2300kgs	4840/5390/5720/5940 lbs. 2200/2450/2600/2700kgs
3960/4250/5500 lbs. 1800/1900/2500kgs	5100/5500/6100/6350 lbs. 2320/2500/2773/2887 kgs
88"/107"/131" x 41" x 67.7" 230/280/330 x 103x172cm	91/111/130/169"x48"x67" 229/279/329/429 x 120 x 170cm

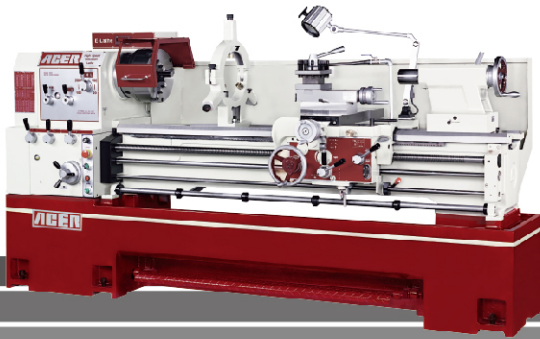
All specifications shown above are for reference only!

- Chuck Guard W/Safety Switch
- Change Gears for DP & MP Thread
- 5C Collet Closer

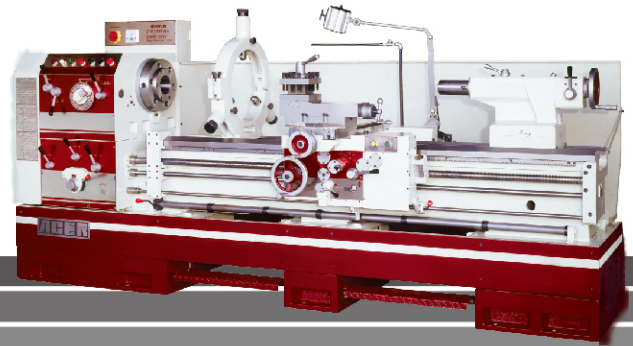
- Drive Plate
- Quick Change Tool Post
- Digital Readout

- Chip Guard
- Standard accessories may be different due to FOB origin.
- Please check in accordance with Price List for final term.

E-Lathe-2180V



Dynamic - 2460G ~29160G



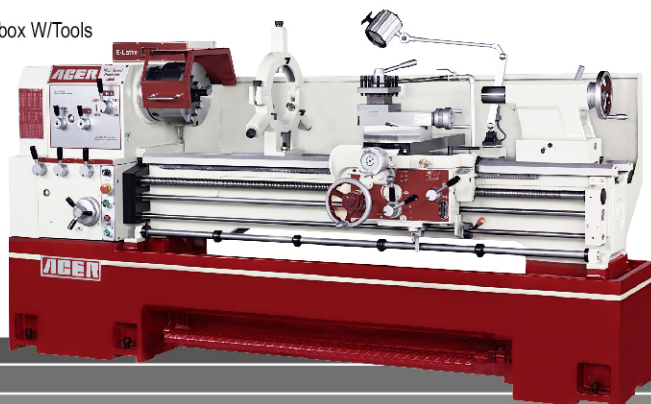
2460G / 2480G / 24120G / 24160G	2960G / 2980G / 29120G / 29160G
11-7/8" (300mm)	14-3/4" (370mm)
23-5/8" (600mm)	29-1/8" (740mm)
32-1/4" (820mm)	37-25/32" (960mm)
15" (380mm)	20-1/2" (520mm)
53.15"/72.44"/114.57"/167.32" (1350/1840/2910/4250mm)	53.15"/72.44"/114.57"/167.32" (1350/1840/2910/4250mm)
D1-11 or A1-11	D1-11 or A1-11
4-1/11" (104mm)	4-1/11" (104mm)
108 x 1:20	108 x 1:20
MT.# 5	MT.# 5
20~1200 RPM 12 steps	20~1200 RPM 12 steps
13" (330mm)	16-1/2" (420mm)
9" (230mm)	9" (230mm)
1" x 1" (25x25mm)	1" x 1" (25x25mm)
3-1/32" (77mm)	3-1/32" (77mm)
7" (178mm)	7" (178mm)
MT.# 5	MT.# 5
102"/122"/164"/218" (2590/3090/4160/5450mm)	102"/122"/164"/218" (2590/3090/4160/5450mm)
16-1/2" (420mm)	16-1/2" (420mm)
20-1/4" (515mm)	20-1/4" (515mm)
Inch / Metric	Inch / Metric
38 Ø 4 TPI or 6mm/pitch	38 Ø 4 TPI or 6mm/pitch
0.5-14mm/pitch (31 kinds)	0.5-14mm/pitch (31 kinds)
2-56 TPI (45 kinds)	2-56 TPI (45 kinds)
0.25-7 M.P. (23 kinds)	0.25-7 M.P. (23 kinds)
4-112 D.P. (43 kinds)	4-112 D.P. (43 kinds)
0.0012"~0.0287"/rev. (0.03~0.73mm/rev.)	0.0012"~0.0287"/rev. (0.03~0.73mm/rev.)
0.004"~0.0118"/rev. (0.01-0.3mm/rev.)	0.004"~0.0118"/rev. (0.01-0.3mm/rev.)
15 HP	15 HP
1/2HP (Opt.)	1/2HP (Opt.)
1/8 HP (0.1KW)	1/8 HP (0.1KW)
110"/129"/169"/209" x 50" 280/328/430/531 x 127cm	110"/129"/169"/209" x 50" 280/328/430/531 x 127cm
8250/8690/10010/10890 lbs. 3750/3950/4550/4950kgs	8690/9130/10450/11330 lbs. 3950/4150/4750/5150kgs
8690/9130/10450/11440 lbs. 3950/4150/4750/5200 kgs	9130/9570/10890/11880 lbs 4150/4350/4950/5400 kgs
121/140/183/230"x50"x77.6" 306/355/465/585 x 127 x 197cm	121/140/183/230"x50"x77.6" 306/355/465/585 x 127 x 197cm

# ACER High Precision Engine Lathe - E-Lathe Series

## Standard Accessories

- Gap Bed
- Built-In Coolant System
- Face Plate
- Touch-Up Paint Tool box W/Tools
- Operational Manual
- Four Way Tool Post
- Halogen Light

E-Lathe - 2160V



## Optional Accessories

- 3-jaw Scroll Chuck
- 4-jaw Independent Chuck
- 3-jaw adaptor plate
- 4-jaw Adaptor Plate
- Steady Rest
- Follow Rest
- LED Light
- 4-position Carriage Stop
- Micro Carriage Stop
- Live Centers
- Taper Turning Attachment
- Splash Guard
- Chuck Guard W/Safety Switch
- Change Gears for DP & MP Thread
- 5C Collet Closer
- Drive Plate
- Quick Change Tool Post
- Digital Readout
- Chip Guard

• Standard accessories may be different due to FOB origin.

• Please check in accordance with Price List for final term.

## Specification

ITEM	MODEL	1440V	1740G / 1760G / 1780G	2122V / 2130V / 2140V / 2160V / 2190V
General Capacity	Center height	7" (180mm)	8-1/2" (215mm)	10-1/4" (260mm)
	Swing over bed	14" (360mm)	17" (430mm)	20-1/2" (520mm)
	Swing over gap (Gap type only)	20-3/4" (520mm)	26" (660mm)	29-1/8" (740mm)
	Swing over cross slide	8-3/4" (225mm)	9-5/8" (245mm)	13" (330mm)
	Distance between centers	40" (1000mm)	40"/60"/80" (1000/1500/2000mm)	22", 30", 39", 59", 90" (560, 760, 1000, 1500, 2200mm)
Main Spindle	Spindle nose	D1-4 or A1-5	D1-6 or A1-6	D1-8 or A1-8
	Spindle bore diameter	1-1/2" (40mm)	2-1/4" (58mm)	3-3/20" (80mm)
	Type of spindle nose	MT.# 5	MT.# 6	MT.# 7
	Taper of center	MT.# 3	MT.# 4	MT.# 4
	Spindle speeds	36~2200 RPM	25~2200 RPM (3 ranges)	20~2000 RPM (Infinite)
Carriage	Cross slide travel	7-17/20" (200mm)	8-4/5" (250mm)	10-4/5" (275mm)
	Compound rest travel	3-3/4" (96mm)	7" (180mm)	4-7/8" (125mm)
	Max. size cutting tool	3/4" x 3/4" (19x19mm)	1" x 1" (25x25mm)	1" x 1" (25x25mm)
Tailstock	Spindle diameter	1-9/16" (40mm)	2-1/4" (58mm)	2-7/10" (68mm)
	Spindle travel	4" (100mm)	6" (150mm)	5-9/10" (150mm)
	Taper of center	MT.# 3	MT.# 4	MT.# 4
Bed	Bed length	65" (1648mm)	76.8"/96.1"/116.5" (1950/2440/2960mm)	58", 65", 75", 125" (1490/1670/1920/2445/3195mm)
	Bed width	9" (230mm)	11-7/8" (300mm)	11-4/5" (300mm)
	Width of gap	7-5/8" (195mm)	8-3/4" (222mm)	9-9/10" (252mm) for 22V, 30V & 40V ; 11-9/10" (303mm) for 60V & 90V
Threading & Feeding	System	Inch	Inch / Metric	Inch / Metric
	Pitch of leadscrew	24 Ø, 4 TPI	35 Ø, 4 TPI	35 Ø, 4 TPI
	Metric pitch threads	0.4~7mm/pitch (30 kinds)	0.5~7.0mm/pitch (22 kinds)	P 0.5 ~ P 7mm/pitch (17 kinds)
	Inch pitch threads	4~56 TPI (32 kinds)	4~56 TPI (36 kinds)	4~56 TPI (36 kinds)
	Module pitch threads	-	0.5~3.5 M.P. (12 kinds)	P 0.5 ~ P 7mm (17 Kinds) (Option)
	Diametral pitch threads	-	8~56 D.P. (21 kinds)	4 ~ 56 TPI (36 Kinds) (Option)
	Range of longitudinal feeds	0.0026"~0.0368"/rev. 0.066~0.935mm/rev.	0.0026"~0.0368"/rev. 0.066~0.935mm/rev.	0.002" ~ 0.032"/rev. (0.05~0.8mm/rev.)
Range of cross feeds	0.0008"~0.0122"/rev. (0.02~0.31mm/rev)	0.001"~0.014"/rev.(0.025~0.35mm/rev.)	0.001" ~ 0.014"/rev. (0.02~0.36mm/rev.)	
Power	Main drive motor	3HP	7.5 HP	10HP
	Rapid traverse motor	-	-	(Option)
	Coolant pump motor	1/8 HP	1/8 HP (0.1KW)	1/8 HP (0.1KW)
Floor Dimension	67-3/4" x 28-3/8" 172 x 72cm	85"/105"/126" x 40" 215/265/320 x 110cm	65"/74.4"/84.6"/104"/134.6" x 32" 165/189/215/265/342 x 81cm	
Net Weight (lbs.)	1320 lbs. (720kgs)	3520/3950/5060 lbs. 1600/1700/2300kgs	3487/3263/3417/3748/4630 lbs 1400/1480/1550/1700/2100 kgs	
Gross Weight (lbs.)	1540 lbs. (820kgs)	3960/4250/5500 lbs. 1800/1900/2500kgs	3307/3483/3682/4035/5004 lbs 1500/1580/1670/1830/2270 kgs	
Packing Dimension (L x W x H)	76" x 32" x 62" 193 x 82 x 160cm	88"/107"/131" x 41" x 67.7" 230/280/330 x 103x172cm	71.6"/78.9"/89.8"/109.8"/139.8" x 37.4" x 66.1" 182/200/228/279/355 x 95 x 168cm	

Note: The manufacturer reserves the right to modify the design, specification, mechanisms, etc., to improve the performance of the machine without prior notice. All specifications shown above are for reference only!



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**KLIM INDUSTRIAL, INC.**

244 N. Randolphville Rd.  
Piscataway, NJ 08854  
Tel: (732) 752-9100  
Fax: (732) 752-9101  
E-mail: [acer\\_klim@yahoo.com](mailto:acer_klim@yahoo.com)

**YA-GIN MACHINE TOOL MANUFACTURING, INC.**

No. 101, 506 Lane, Seng-Tso Road,  
Seng Karng District, Taichung City, Taiwan  
Tel: 886-4-2520-4120  
Fax: 886-4-2520-4123  
E-mail: [sales@acerlinks.com](mailto:sales@acerlinks.com)

**SPRINGWOOD INDUSTRIAL, INC.**

2320 E. Valencia Drive  
Fullerton, CA 92831  
Tel: (714) 871-5558  
Fax: (714) 871-5554  
E-mail: [info@aceronline.net](mailto:info@aceronline.net)