## FF6000 FLANGE FACER

# Esta herramienta ha sido reemplazada por FF6300 FLANGE FACER

Aunque esta herramienta ya no se produce y ha sido reemplazada por otra, la seguimos teniendo en nuestra flota de alquiler. Contáctenos para mayores detalles

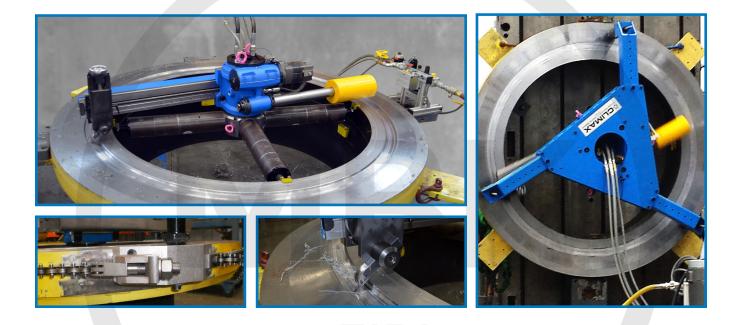
# 447-3377 oficina@vendo.com.pe





## Performance. Versatility. Safety.

The rigid and versatile FF6300 delivers high-torque performance to quickly re-face flanges and repair sealing and bearing surfaces efficiently and cost-effectively.



## IMPROVED EFFICIENCY AND OPERATIONAL FLEXIBILITY

Extended machining range, from 12 - 60 inches (304 - 1524 mm) provides more flexibility - one machine for many applications.

Varible feed rate control allows operators to easily adjust the feed rate of the cutting tool.

ID, OD, or surface-mount configurations are available for a variety of machining applications, with a quick and easy change over.

Chain-clamp assembly securely clamps OD-mount configurations to eliminate the need to weld for mounting.

Tool head and tool bit rotate 360°, which allows for machining and positioning at an angle. This provides flexibility to create a variety of cuts including chamfers, O-Ring grooves, lens rings and other angular surfaces.

Back-facing attachment option provides even more flexibility in machining operations for heat exchanger tube sheets and other applications.

Modular components and overall lighter weight make setup, transport and storage quick and easy.

Hydraulic or pneumatic drive options allow flexibility for a variety of working conditions.

#### RUGGED DESIGN FOR POWERFUL, PRECISE MACHINING PERFORMANCE

Heavy-duty bearings provide rigid performance and reliable results, even over bolt-hole patterns.

Chucking system with leveling feet allows for quick and easy setup.

Modular chuck can be mounted separate from the machine body, makes accurate setup quick & easy.

The worm gear drive system runs smoothly and provides low backlash even with interrupted cuts. High-torque power allows higher metal removal rates.

#### **REDUCING OPERATOR RISK**

Remote on/off control of the feed system keeps operators hands away from moving parts.

Multiple lifting points for lifting in all orientations simplify balancing and rigging challenges for easy machine positioning.





Mounting range       11.8 - 57.5 inches       299.7 - 1460.5 mm         Facing diameter range       11.8 - 60 inches       299.7 - 1524.0 mm         Swing diameter @ minimum w/ feedbox on arm       39.4 inches       1000.8 mm         Radial tool slide travel (full length of turning arm)       21.2 inches max       538.5 mm max         Axial tool head travel       4 inches       101.6 mm         Depth required inside bore for ID chuck       554.0 25 inches       88.9 ± 6.4 mm         Single plane       3.5 ± 0.25 inches       63.5 mm         Surface mount       0 inches       0 mm         Travel of leveling foot       ± 0.25 inches       63.5 mm         Wounting range (with optional clamp kit)       38.1 - 63.8 inches       967.7 - 1620.5 mm         Facing diameter range       8.5 - 60 inches       215.9 - 1524.0 mm         We type       Pneumatic or hydraulic drive with cone drive       10:1         To 17 To 12 To 11 to 10:1         we type       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 05073mm       620kPa @ 1.84m <sup>3</sup> 3mm         See System       Ve type       Air actuated feed box engaged by machine rotation, remote on/of control of the feed by turning the air supply on/off       90 psi @			US	Metric	
Facing diameter range       11.8 - 60 inches       299.7 - 1524.0 mm         Swing diameter @ minimum w/ feedbox on arm       39.4 inches       1000.8 mm         Radial tool slide travel (full length of turning arm)       21.2 inches       538.5 mm max         Axial tool blead travel       4 inches       101.6 mm         Depth required inside bore for ID chuck       35 ± 0.25 inches       88.9 ± 6.4 mm         Surface mount       0 mm       0 mm         Travel of leveling foot       ± 0.25 inches       63.5 mm         Pacing diameter range       8.5 - 00 inches       967.7 - 1620.5 mm         Refor to ID for specifications not listed       10:1       10:1         tational Drive System       Pneumatic or hydraulic drive with cone drive         ve type       Pneumatic or hydraulic drive with cone drive         ining am speed range:       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft*3/min         freed System       Ye type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ed power requirements       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft*3/min       620kPa @ 0.028m*3/min         1200 psi @ 10 gpm       273 kPa @ 37.9 L/min       620kPa @ 0.028m*3/min       0.02 - 0.035 inches/rev         we type       0 ractuated feed box engaged by machin	Machine Performance Ranges				
Swing diameter @ minimum w/ feedbox on arm       39.4 inches       1000.8 mm         Radial tool slide travel (full length of turning arm)       21.2 inches max       538.5 mm max         Axial tool head travel       4 inches       101.6 mm         Depth required inside bore for ID chuck       35.± 0.25 inches       88.9 ± 6.4 mm         Single plane       3.5 ± 0.25 inches       0 mm         Surface mount       0 inches       0 mm         Travel of leveling foot       ± 0.25 inches       63.5 mm         Radial adjustment stroke of chuck foot       2.5 inches       63.5 mm         Wounting range (with optional clamp kit)       38.1 - 63.8 inches       967.7 - 1620.5 mm         Facing diameter range       8.5 - 60 inches       215.9 - 1524.0 mm         Refer to ID for specifications not listed       10:1       7 - 37 RPM         tational Drive System       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft*3/min       620kPa @ 1.84m*3/min         ve type       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft*3/min       620kPa @ 0.27 MM*3/min       620kPa @ 0.28M*3/min         Air actuated feed box engaged by machine rotation, remote onford control of the feed by turning the air supply on/off         Yetype         ring arm speed range:       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 116*3/min       62	ID: Mounting range		11.8 - 57.5 inches	299.7 - 1460.5 mm	
Radial tool slide travel (full length of turning arm)       21.2 inches max       538.5 mm max         Axial tool head travel       4 inches       101.6 mm         Depth required inside bore for ID chuck       3.5 ± 0.25 inches       88.9 ± 6.4 mm         Single plane       3.5 ± 0.25 inches       88.9 ± 6.4 mm         Surface mount       0 inches       0 mm         Travel of leveling foot       ± 0.25 inches       ± 6.4 mm         Radial adjustment stroke of chuck foot       2.5 inches       ± 6.4 mm         Sourge (with optional clamp kit)       38.1 - 63.8 inches       967.7 - 1620.5 mm         Facing diameter range       8.5 - 60 inches       215.9 - 1524.0 mm         Refer to ID for specifications not listed       10:1       10:1         tational Drive System       Pneumatic       7 - 37 RPM       7 - 37 RPM         we type       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft*3/min       620kPa @ 1.84m*3/min         We type       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft*3/min       620kPa @ 3.7 9 L/min         Feed System       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ve type       Opsi@ (16 ± 0.25 inches       406.4 ± 6.4 mm         0.02 - 0.035 inches/rev       0.08 - 0.89 mm/rev <t< td=""><td>Facing diameter range</td><td></td><td>11.8 - 60 inches</td><td>299.7 - 1524.0 mm</td></t<>	Facing diameter range		11.8 - 60 inches	299.7 - 1524.0 mm	
Axial tool head travel4 inches101.6 mmDepth required inside bore for ID chuck $3.5 \pm 0.25$ inches $88.9 \pm 6.4$ mmSurface mount0 inches0 mmTravel of leveling foot $\pm 0.25$ inches $\pm 6.4$ mmRadial adjustment stroke of chuck foot $2.5$ inches $63.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mm:: Mounting range (with optional clamp kit) $35.5 - 37$ RPM $3.5 - 37$ RPM:: Mounting range (with optional clamp kit) $10.1$ $10.1$ :: Mounting range (with optional clamp kit) $10.2$ $10.2$ :: Mount requirementsPneumatic (2.0 Hp. 1.5kW) $90$ psi @ 65th^3/min $620 kPa @ 0.028 m^3/min$	Swing diameter @ minimum w/ f	Swing diameter @ minimum w/ feedbox on arm		1000.8 mm	
Depth required inside bore for ID chuckSingle plane $3.5 \pm 0.25$ inches $88.9 \pm 6.4$ mmSurface mount0 inches0 mmTravel of leveling foot $\pm 0.25$ inches $\pm 6.4$ mmRadial adjustment stroke of chuck foot2.5 inches $63.5$ mm2: Mounting range (with optional clamp kit) $38.1 - 63.8$ inches $967.7 - 1620.5$ mmFacing diameter range $8.5 - 60$ inches $215.9 - 1524.0$ mmRefer to ID for specifications not listed10:110:1tational Drive SystemPneumatic or hydraulic drive with cone driveve typePneumatic $7 - 37$ RPMming arm speed range:Pneumatic $7 - 37$ RPMHydraulic $3.5 - 37$ RPM $3.5 - 37$ RPM(6 2 cu.in motor @ 10gpm)101.6 cm² motor at 23.5 L/minwer input requirementsPneumatic (2.0 Hp, 1.5kW) $90$ psi @ 65fh^3/minPeed SystemAir actuated feed box engaged by machine rotation, remoteve typeAir actuated feed box engaged by machine rotation, remotenoff control of the feed by turning the air supply on/off $90$ psi @ 1fh'3/min $620kPa @ 0.028m^3/mined rate0.02 - 0.035 inches/rev0.08 - 0.89 mm/revesures16 \pm 0.25 inches406.4 \pm 6.4 mmmachine height with fittings (\pm for leveling)16 \pm 0.25 inches406.4 \pm 6.4 mm90 machine weight, max approximate7.5 \pm 1.25 inches406.4 \pm 6.4 mm91 bis214.5 kg27.5 \pm 1.25 inches406.4 \pm 6.4 mm92 bis419.6 kg419.6 kg$	Radial tool slide travel (full length	Radial tool slide travel (full length of turning arm)		538.5 mm max	
Single plane       3.5 ± 0.25 inches       88.9 ± 6.4 mm         Surface mount       0 inches       0 mm         Travel of leveling foot       ± 0.25 inches       ± 6.4 mm         Radial adjustment stroke of chuck foot       2.5 inches       63.5 mm         D: Mounting range (with optional clamp kit)       38.1 - 63.8 inches       967.7 - 1620.5 mm         Facing diameter range       8.5 - 60 inches       215.9 - 1524.0 mm         Refer to ID for specifications not listed       10:1       10:1         tational Drive System       Pneumatic or hydraulic drive with cone drive         rm gear reduction       10:1       10:1         ning arm speed range:       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65th*3/min       620kPa @ 3.7.9 L/min         Feed System       Yet ype       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         90 psi @ 65th*3/min       620kPa @ 0.028m*3/min       0.02 e.0.35 inches/rev       0.08 - 0.89 mm/rev         Refer to line fight with fittings (± for leveling)         machine height with fittings (± for leveling)       16 ± 0.25 inches       406.4 ± 6.4 mm         ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         90 psi @ 1th*3/min       620kPa @ 0.			4 inches	101.6 mm	
Surface mount       0 inches       0 mm         Travel of leveling foot       ± 0.25 inches       ± 6.4 mm         Radial adjustment stroke of chuck foot       2.5 inches       63.5 mm         0: Mounting range (with optional clamp kit)       38.1 - 63.8 inches       967.7 - 1620.5 mm         7: Arged for specifications not listed       8.5 - 60 inches       215.9 - 1524.0 mm         tational Drive System         ve type         Pneumatic or hydraulic drive with cone drive         10:1       10:1       10:1         ning arm speed range:       Pneumatic       7 - 37 RPM       7 - 37 RPM         ver input requirements       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft^3/min       620kPa @ 1.84m^3/min         Very pe         Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         Very pe         Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         Very Preumatic (2.0 Hp, 1.5kW)         Very Preumatic (2.0 Hp, 1.5kW)         Very Preumatic (2.0 Hp, 1.5kW)         Very Preumatic on tradition remote on/off control of the feed by turning the air supply on/off <td colspa<="" td=""><td>Depth required inside bore for ID</td><td>) chuck</td><td></td><td></td></td>	<td>Depth required inside bore for ID</td> <td>) chuck</td> <td></td> <td></td>	Depth required inside bore for ID	) chuck		
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Radial adjustment stroke of chuck foot       2.5 inches       63.5 mm         Mounting range (with optional clamp kit)       38.1 - 63.8 inches       967.7 - 1620.5 mm         Facing diameter range       8.5 - 60 inches       215.9 - 1524.0 mm         Refer to ID for specifications not listed       10:1       10:1         tational Drive System       Pneumatic or hydraulic drive with cone drive         ning arm speed range:       Pneumatic       7 - 37 RPM         Hydraulic       35 - 37 RPM       3.5 - 37 RPM         (6.2 cu.in motor @ 10gpm)       101.6 cm³ motor at 23.5 L/min         wer input requirements       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft^3/min         Yet ype       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ed power requirements       90 psi @ 10 gpm       620kPa @ 0.28m^3/min         ed rate       0.02 - 0.035 inches/rev       0.08 - 0.89 mm/rev         assures       16 ± 0.25 inches       406.4 ± 6.4 mm         machine weight, max approximate       27.5 ± 1.25 inches       698.5 ± 31.75 mm         0 Machine height with fittings (± for leveling)       27.5 ± 1.25 inches       698.5 ± 31.75 mm         0 machine weight, approximate       925 lbs       419.6 kg         0 machine weight, approximate       26				•	
2:       Mounting range (with optional clamp kit)       38.1 - 63.8 inches       967.7 - 1620.5 mm         Facing diameter range       8.5 - 60 inches       215.9 - 1524.0 mm         Refer to ID for specifications not listed       10:1       10:1         tational Drive System       Pneumatic or hydraulic drive with cone drive         ve type       Pneumatic or hydraulic drive with cone drive         ning arm speed range:       Pneumatic         Hydraulic       3.5 - 37 RPM         wer input requirements       Pneumatic (2.0 Hp, 1.5kW)         Hydraulic       35.3 GRPM         Feed System       4ir actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ed rate       90 psi @ 1ft^3/min       620kPa @ 0.028m^3/min         o.02 - 0.035 inches/rev       0.08 - 0.89 mm/rev         esures       16 ± 0.25 inches       406.4 ± 6.4 mm         machine weight, max approximate       27.5 ± 1.25 inches       698.5 ± 31.75 mm         0 Machine height with fittings (± for leveling)       27.5 ± 1.25 inches       698.5 ± 31.75 mm         0 Machine height with fittings (± for leveling)       26 × 63.5 x 25.75 inches       660.4 x 1612.9 x 654.1 mm     <	u u u u u u u u u u u u u u u u u u u				
Facing diameter range       8.5 - 60 inches       215.9 - 1524.0 mm         Refer to ID for specifications not listed       tational Drive System       Pneumatic or hydraulic drive with cone drive         ve type       Pneumatic or hydraulic drive with cone drive       10:1       10:1         rm gear reduction       10:1       7 - 37 RPM       3.5 - 37 RPM         wer input requirements       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft^3/min       620kPa @ 1.84m^3/min         Ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off       90 psi @ 1ft^3/min       620kPa @ 0.028m^3/min         Ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off       90 psi @ 1ft^3/min       620kPa @ 0.028m^3/min         ed rate       90 psi @ 1ft^3/min       620kPa @ 0.028m^3/min       0.02 - 0.035 inches/rev       0.08 - 0.89 mm/rev         asures       16 ± 0.25 inches       406.4 ± 6.4 mm       473 lbs       214.5 kg       27.5 ± 1.25 inches       698.5 ± 31.75 mm         0 Machine height with fittings (± for leveling)       27.5 ± 1.25 inches       690.4 x 1612.9 x 654.1 mm       925 lbs       419.6 kg         0 machine weight, approximate       26 x 63.5 x 25.75 inches       600.4 x 1612.9 x 654.1 mm       60 x 24 x 28 inches       1524 x 609.6 x 711.2 mm <td></td> <td></td> <td></td> <td></td>					
Refer to ID for specifications not listed         tational Drive System         ve type         orm gear reduction         ning arm speed range:       Pneumatic         Hydraulic       7 - 37 RPM         3.5 - 37 RPM         wer input requirements       Pneumatic (2.0 Hp, 1.5kW)         Hydraulic       3.5 - 37 RPM         Yet type       Sector (2.0 Hp, 1.5kW)         Wer input requirements       Pneumatic (2.0 Hp, 1.5kW)         Hydraulic       Yet type         Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ed power requirements       90 psi @ 1ft^3/min         ed rate       90 psi @ 1ft^3/min         sesures       62.0 Lin motor @ 10.0gm         machine dimensions, please refer to dimensional drawings         machine keight with fittings (± for leveling)       16 ± 0.25 inches       406.4 ± 6.4 mm         473 lbs       214.5 kg         0 Machine height with fittings (± for leveling)       16 ± 0.25 inches       698.5 ± 31.75 mm         925 lbs       419.6 kg         Wood, approx.       26 x 63.5 x 25.75 inches       600.4 x 1612.9 x 654.1 mm         Wod, approx.       60 x 24 x 28 inches       1524 x 609.6 x 711.2 mm		amp kit)			
tational Drive System       Pneumatic or hydraulic drive with cone drive         ve type       10:1       10:1         ning arm speed range:       Pneumatic       7 - 37 RPM         Hydraulic       3.5 - 37 RPM       3.5 - 37 RPM         wer input requirements       Pneumatic (2.0 Hp, 1.5kW)       90 psi @ 65ft^3/min       620kPa @ 1.84m^3/min         Ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ve type       Air actuated feed box engaged by machine rotation, remote on/off control of the feed by turning the air supply on/off         ve type       90 psi @ 1ft^3/min       620kPa @ 0.028m^3/min         out at the air supply on/off       90 psi @ 1ft^3/min       620kPa @ 0.028m^3/min         out at the air supply on/off       90 psi @ 1ft^3/min       620kPa @ 0.028m^3/min         out at the			8.5 - 60 inches	215.9 - 1524.0 mm	
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O machine weight, approximate         925 lbs         419.6 kg           crate dimensions (WxDxH)         26 x 63.5 x 25.75 inches         660.4 x 1612.9 x 654.1 mm           Wood, approx.         26 x 63.5 x 25.75 inches         660.4 x 1612.9 x 654.1 mm           Metal, approx.         60 x 24 x 28 inches         1524 x 609.6 x 711.2 mm	D machine weight, max approximate	0,			
crate dimensions (WxDxH)         Wood, approx.         26 x 63.5 x 25.75 inches         660.4 x 1612.9 x 654.1 mm         Metal, approx.         60 x 24 x 28 inches         1524 x 609.6 x 711.2 mm		leveling)			
Wood, approx.         26 x 63.5 x 25.75 inches         660.4 x 1612.9 x 654.1 mm           Metal, approx.         60 x 24 x 28 inches         1524 x 609.6 x 711.2 mm	DD machine weight, approximate		925 lbs	419.6 kg	
Metal, approx. 60 x 24 x 28 inches 1524 x 609.6 x 711.2 mm			26 x 63 5 x 25 75 inches	660 4 x 1612 9 x 654 1 mm	
	OD crate dimensions (WxDxH)				
Wood, approx. 47.25 x 42.25 x 19.75 inches 1200.2 x 1073.2 x 501.7 mm					
sting Data	Wood, approx.		47.25 x 42.25 x 19.75 inches	s 1200.2 x 1073.2 x 501.7 mm	

#### Test 2 **Internal Testing** Test 1 **Performance Results** (Material Removal) (Surface Finish) Depth of Cut .05 in (1.25mm) .05 in (1.25mm) RPM 28rpm Hydraulic 28rpm Hydraulic Feed .035 in/rev (0.9mm) .007 in/rev (0.18mm) Diameter of Cut 38 in 965mm) 36 in 914mm) Type of Tool Carbide Carbide Finish Phonograph 112 MRR 5.85 in^3/min (95.8cc) 1.11 in^3/min (18.2cc)

Flatness at 50 inch (1270 mm) diameter. 0.0018 inches (0.046 mm).

Tested on a dedicated fixture made of A-36 steel in a controlled environment with single point machine, after warm-up.

All dimensions should be considered reference. Contact your Climax Representative for precision dimensions. Specifications are subject to change without notice. There are no systems or components on this machine that are capable of producing hazardous EMC, UV or other radiation hazards. The machine does not use lasers nor does it create hazardous materials such as gasses or dust.

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Worldwide Phone: +1 503 538 2185 N. America Toll-Free: 1 800 333 8311 Fax: +1 503 538 7600 E-mail: Info@cpmt.com

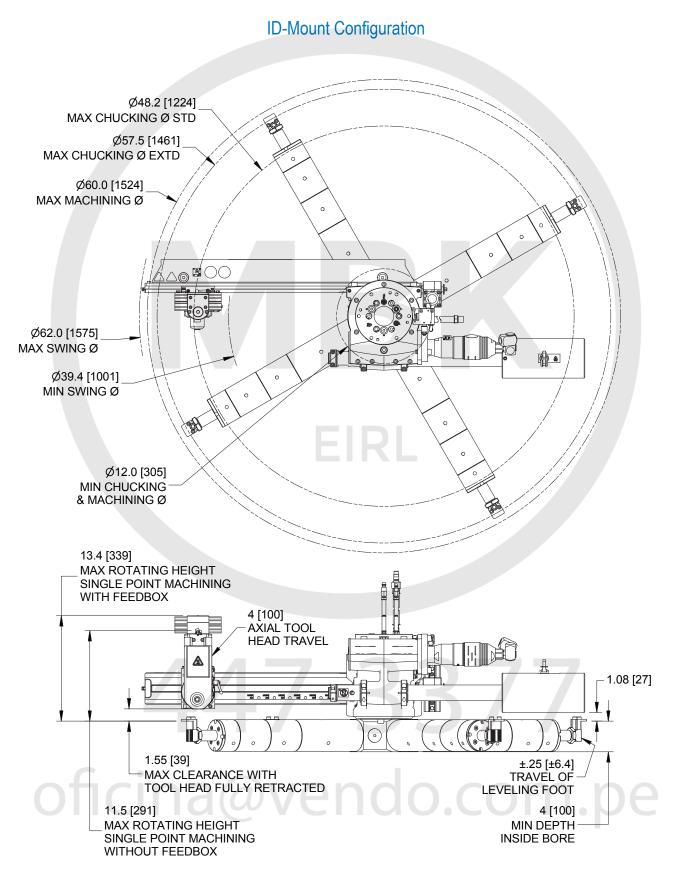
# **TOOL CONFIGURATIONS**

Configure your FF6300 in 3 easy steps.		Additional Tooling	
<ul> <li>To configure your FF6300 Flange Facer:</li> <li>Select base package</li> <li>Select mounting system</li> <li>Select mounting options</li> </ul>		HSS Tool Bit 3/4 X 5.0 inch (19.05 X 127 mm) LH Finish HSS Tool Bit 3/4 X 5.0 (19.05 X 127 mm) RH Finish Carbide Insert Holder RH 3/4 SQ Shank Carbide Insert Holder LH 3/4 SQ Shank Carbide Inserts 10 PK	29066 29067 61818 61819 61820
<ul> <li>To configure the Flange Facer you require, simply select the you need in each step, than contact your CLIMAX representation 1</li> <li>Base Package (includes: main body, tool kit, motor, feed to turning arm and shipping container)</li> <li>Pneumatic, CE, with Wood Crate</li> <li>Pneumatic, CE, with Metal Shipping Container</li> <li>Hydraulic, CE, with Metal Shipping Container</li> <li>Hydraulic, CE, with Metal Shipping Container</li> <li>Hydraulic, with Wood Crate</li> <li>Hydraulic, with Wood Crate</li> <li>Hydraulic, with Wood Crate</li> <li>Hydraulic, with Metal Shipping Container</li> <li>Mounting Systems</li> <li>ID Chuck Assy, 4 Legs 12 - 57 (304.8 - 1447.8 mm)</li> <li>OD Chuck Assy</li> <li>3 OD Mounting Option</li> </ul>	ntative.	Hydraulic Power Units HPU 230V, 10HP (7.5kW) PSR HPU 380V, 10HP (7.5kW) PSR HPU 415V, 10HP (7.5kW) PSR HPU 460V, 10HP (7.5kW) PSR HPU 575V, 10HP (7.5kW) PSR Pendant Cable and Hose Assemblies 0.5 in (12.7 mm), 20 ft (6.1 m) 0.5 in (12.7 mm), 50 ft (15.2 m) 0.5 in (12.7 mm), 100 ft (30.5 m) Motor Conversion Kits Hydraulic (includes motor, hoses)* Hydraulic (includes motor, dripless fittings and hoses)* Pneumatic (includes motor and hoses) *order hydraulic power units separately	63264 63265 63266 63267 63268 62799 62801 62802 80970 82555 80969
Chain Clamp Assembly	80622	OD-Mount Configuration	
<text><text><section-header></section-header></text></text>	80362 83242 83241	<image/>	

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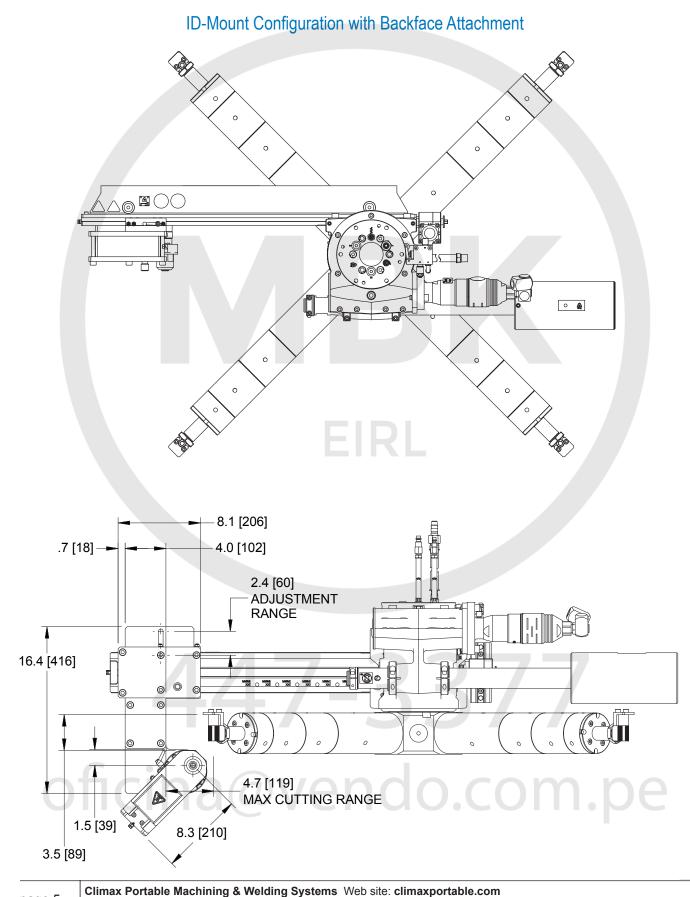
Dimensions in Inch (mm)



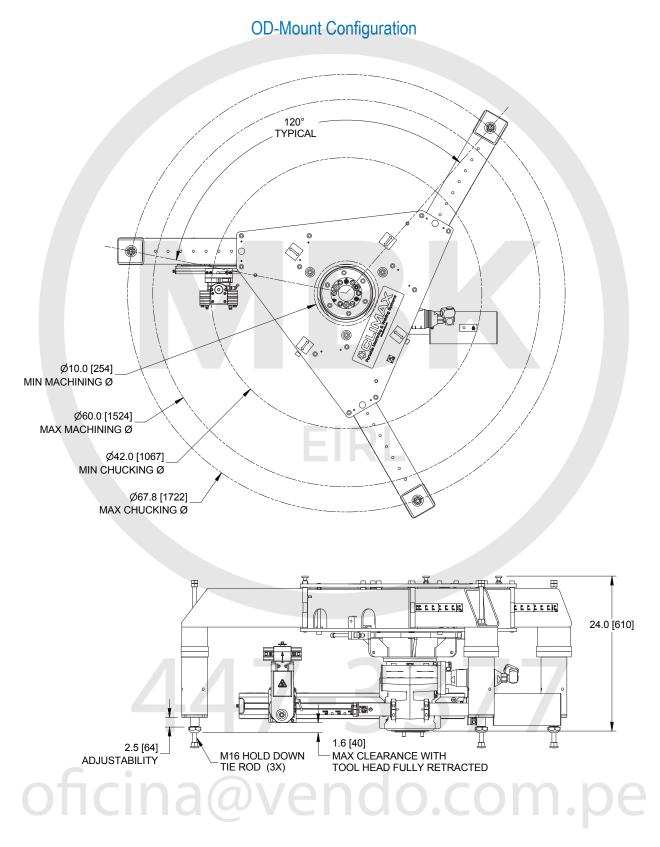
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Worldwide Phone: +1 503 538 2185 N. America Toll-Free: 1 800 333 8311 Fax: +1 503 538 7600 E-mail: Info@cpmt.com

Dimensions in Inch (mm)



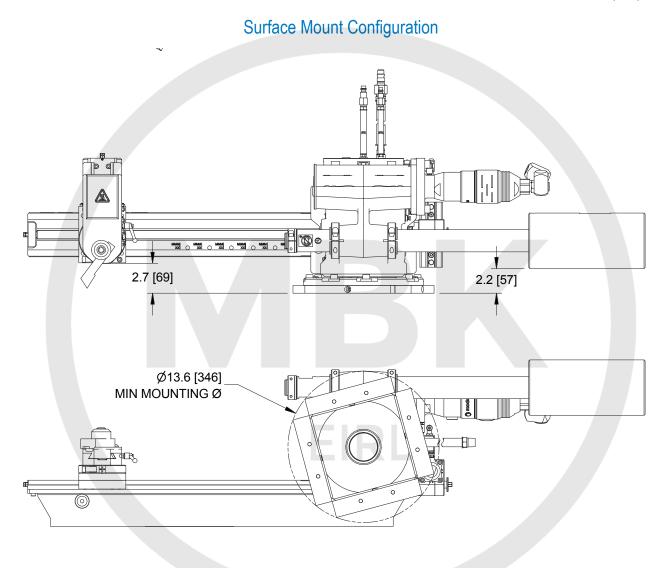
Dimensions in Inch (mm)



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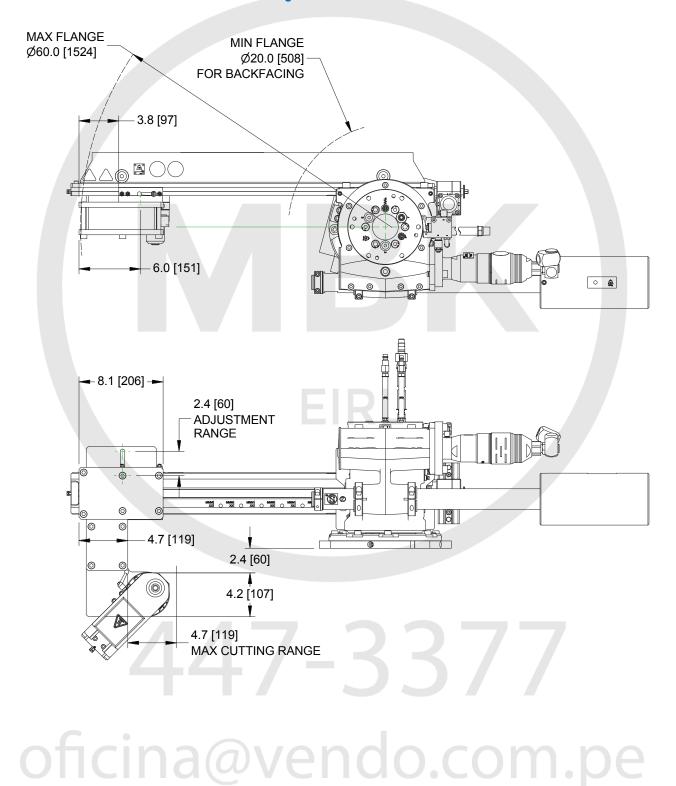
Dimensions in Inch (mm)



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Surface Mount Configuration with Backface Attachment



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## A Fast Eight-Step Process

This model is so fast and easy to set up that an experienced operator can usually mount the machine into the flange bore, align it, and start cutting in less than an hour.



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### The FF6300 is widely used by these industries:

Oil, Gas and Chemical Power Generation Heavy Equipment Ship building & repair

### **Typical applications:**

- · Piping system flanges
- · Valve flanges and bonnet flanges
- Heat exchanger flanges
- Vessel flanges
- Flange faces on piping systems
- Pump housing flanges
- Weld preps
- Tube sheet bundles.
- Bearing mounting bases
- · Final drive hubs
- Bull gear faces
- · Manufacturing of mining equipment
- · Slew rings
- · Bearing mounting bases
- Crane pedestal flange.



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# **CLIMAX** Training Facilities

CLIMAX has been teaching the fundamentals and fine points of portable machine tool operation for practically as long as we've been inventing and building the tools.

We offer training facilities in the United States - the Global Learning Center, situated in our corporate headquarters near Portland, Oregon and our Deer Park, Texas Training Facility. Both facilities offer training for machine tool operators on safety and machine setup and operation. Trainees also receive technical tips and tools to improve operational efficiencies, with the vast majority of every program devoted to hands-on activities and skill development.



The CLIMAX instructional team includes specialists in shipbuilding, power generation, civil engineering, bridge re-building, petrochemical and other industries.

Whether it's a regularly scheduled course at one of our training facilities, or custom curriculum conducted at your facility, your machinists will benefit from courses developed by some of the most respected authorities in the business.

Call us today to register for a regularly scheduled class, or talk to us about how we can customize a training program for your specialized application.

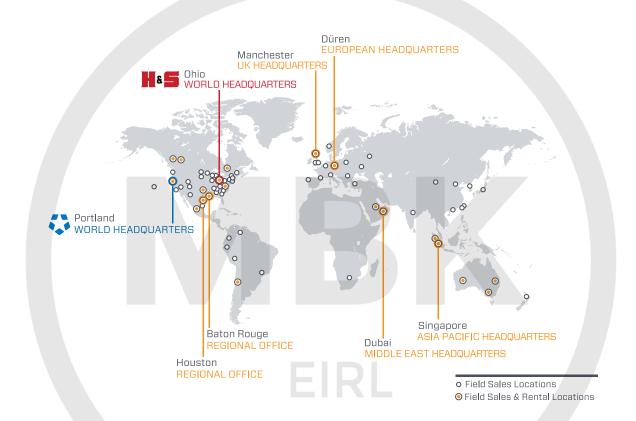
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## **CLIMAX GLOBAL LOCATIONS**



## Call CLIMAX for:

#### Rentals

With 21 worldwide rental depot locations, you are never far away from a CLIMAX tool.

#### **On-site Training**

Need some refresher courses in setting up and operating your CLIMAX machine tool?

#### **Custom Projects**

CLIMAX has been solving complicated machining, welding and valve testing problems for our customers since 1964.

Connect with us: f 🗾 in 🖇

#### World Headquarters

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