

# joysung Portable Machinery Tools Solutions



## FDG300-E FLANGE FACER

Facing Range: 0 – 12" (0 – 305mm)



An externally mounted flange facing machine for all types of flange facings, seal groove

machining, weld preparation and counter boring.

Features:

- Lightweight, precision construction to optimise on-site performance
- Preloaded cross roller drive, ensuring robust, repeatable machining
- Geared continuous groove facing feeds for gramophone finish (ASME Standard)
- Swivel tool post for groove details included; no requirement for separate

Accessories

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## SPECIFICATION

US

Metri

Technical Details		
Facing Diameter:		
Min Facing Diameter	0 inches	0 mm
Max Facing Diameter	12 inches	305 mm
ID Mounting Diameter		
Min O.D. Mount	2.75 inches	70 mm
Max O.D. Mount	12 inches	305 mm
Minimum Swing Diameter	63.4 inches	1610 mm
Stroke:		
Tool Post Travel	2 inches	50 mm
R.P.M	Min:0	Max:27
Drive – Pneumatic @ 90 P.S.I (6 bar)	0.8 kW	1.1 Hp
Air Consumption / Supply Required	56.5 S.C.F.M	1.6 m <sup>3</sup> /min
Approximately Operational Weight	119 lbs	45 kg
Approximately Shipping Weight	198 lbs	90 kg
Approximately Shipping Dimensions Length x Width x Height	25 x 24 x 18 inches	640 x 600 x 450 mm

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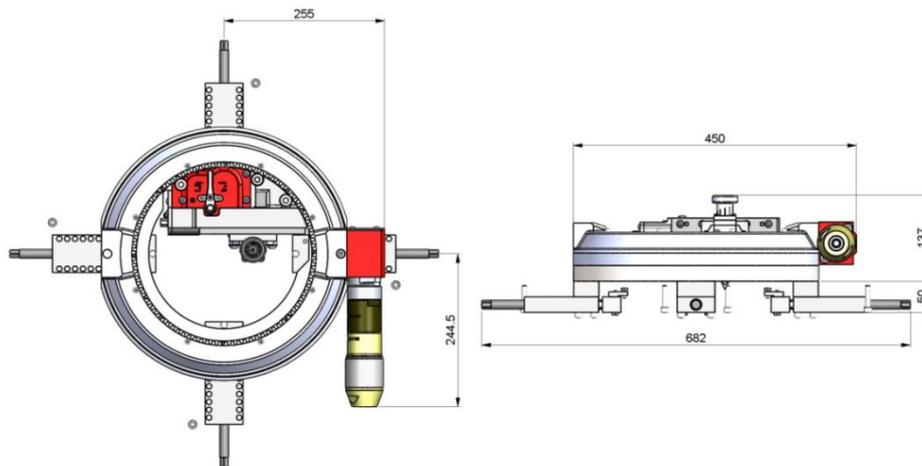
Facing Feed Rates				
	inches/rev	mm/rev	Grooves per inches	Grooves per mm
0.75mm Pitch Lead Screw (standard)				
Fine	0.005	0.134	190	750
Coarse	0.021	0.537	47	190
1.00mm Pitch Lead Screw (standard)				
Fine	0.007	0.180	141	560
Coarse	0.028	0.720	35	140
1.25mm Pitch Lead Screw (optional)				
Fine	0.009	0.220	115	450
Coarse	0.035	0.900	28	110
1.75mm Pitch Lead Screw (optional)				
Fine	0.012	0.300	85	330
Coarse	0.050	1.250	20	80

## Benefits:

- High torque drive with a low 35 dB noise level
- Latest linear technology for durability and repeatable accuracy
- Storage/shipping box
- CE certificate

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## OPERATIONAL DIMENSIONS



All dimensions are for reference and may be subject to change without notice. Machine performance is subject to application and operator capability; please discuss your requirements directly with a joysung sales representative. All information given and all sales made by joysung Machines are subject to their terms and conditions, which are available at [www.joysung.com](http://www.joysung.com)

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## TRAINING OPERATION

Joysung 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.

At the joysung Global Learning Center situated in our corporate headquarters near Shenzhen, Guangdong, we provide training for machine tool operators on portable machine tool 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 joysung 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 the Global Learning Center, 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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## APPLICATIONS

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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Mining



Hydro Electric  
Power



Petrochemical



Wind Power



Offshore Oil  
Production



Construction  
Machinery



Nuclear Power



钢铁  
Steel Industry



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