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# **ΛLPHΛ-Ι** 12-60



# **GAMECHANGERS IN FLANGE FACING INDUSTRY**

Alpha-I 12-60 revolutionizes flange facing with its innovative features including an automatic toolpost, stroke limiter and ION-4 gearbox enabling easy setup and operation for achieving multiple surface finishes with precision.

### **ION-4 gearbox**

The heavy duty Ion-4 gearbox is a new innovation on the market with 4 different axial feed options resulting in different surface finishes. With an incorporated spare part kit in the design, an operator has every tool available to quickly repair in the gearbox if required. The Ion-4 gearbox system allows the cutting to tool travel in both directions providing an in & out feed.



MULTIPLE SURFACE FINISHESEASY SETUP & OPERATION

- ION-4 GEARBOX
- AUTOMATIC TOOLPOST
- NO-ROW CLAMPING FEEDS
- EASY LEVELLING
- EASY LEVELLING





Operational Data	Min	Мах
Clamping capacity	Ø 300 mm	Ø 1358 mm
	Ø 12″	Ø 54″
Machining capacity	Ø 300 mm	Ø 1514 mm
	* Ø 12″	* Ø 60″



\* based on neutral cutting tool

Dimensional Data				
Case dimensions	Total case weight	Overall weight machine without base	Overall height machine	
1200 x 840 x 840 mm	+/- 410 kg	296 kg	545 mm (21.46″)	



Moto	or Data
Pne	umatic
Motor Power	2715 W (3,64 HP)
Air Consumption	2800 l / min
Air Supply Pressure	6,2 Bar
Ele	ectric
Motor Power	1,5 kW
Voltage	230 V
Frequency	50 Hz
Нус	Iraulic
To be	confirmed

### **OPTIONS**

Manual Toolpost
Automatic Toolpost

### ACCESSORIES

Tubesheet Mounting Kit
Tubesheet Backfacing Kit
Tubesheet Welding Kit



ALPHA-I 12-60









The Alpha-I 12-60 flange facer is versatile and suitable for a variety of positions:

- Horizontal Flange Facing: For precise machining of horizontal flanges in pipelines and tank outlets. This tool can also be used for machining flanges in an inverted position.
- Vertical Flange Facing: Ideal for vertical flanges, such as those found in standing tanks and piping systems.
- Inclined Flange Facing: Suitable for flanges in inclined positions, often encountered in specific constructions and equipment.

### Industry-Specific Applications:

- Oil and Gas: Efficient for maintenance of pipelines and drilling rigs.
- Petrochemical: Essential for repairs and maintenance of process equipment.
- Power and Utilities: Suitable for turbines and other energy-related equipment.
- Shipbuilding: For machining flanges in ship engines and piping systems.
- Food and Beverage: Ideal for stainless steel flanges in hygienic processes.
- Water Treatment: For flanges in water purification plants.









VL5HV-I

12-60



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Address: Ambachtsstraat 7, 3980 Tessenderlo, Belgium Tel.: +32 492 16 21 91 Email: info@sygmamachines.com

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Address: Unit 11 Gazelle place, Corporate Park South MidrandGauteng, 1683, South-Africa Tel.: +27 78 078 0803 Email: info@sygmamachines.com



