

Horizontal double disc grinder

610 / 760 / 915 / 1067



Used for the grinding of connecting rods & pinion gears

- Compact design
- Competitive tco value
- Monoblock wheelhead with high rigidity
- Supplied worldwide to the automotive industry

Ultimate horizontal double disc grinding machine

Fives offers a large range of CNC machines built for high production and quality standards, to process flat and parallel surfaces in various working modes. Fives' horizontal double disc grinding technology is second to none, and machines range in size from 305 mm wheel diameter up to 1,067 mm wheel diameter with spindle power as high as 75 kW.

WORKING METHOD

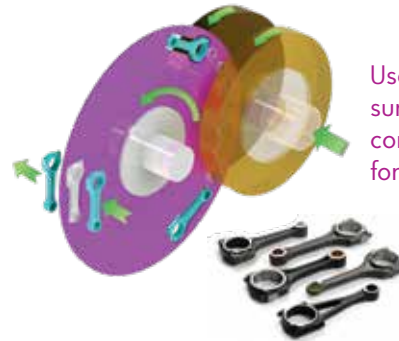
- Introduction onto the proper seat on the feeding disc where a variable number of part holding seats can be provided according to the part types/families
- Introduction of the part between the wheels
- Grinding of part with plunge infeed of both wheels during the first part of the working cycle
- Before the connecting rod leaves the wheel, infeed stops to allow spark-out



Used for gears surface grinding with plunge infeed working method and rotary pockets

FEATURES

- Polymeric granite machine bed
- Machine guarding completely sealed
- Smart energy saving
- Self rotating part holding seats
- Numerical control for all main functions (Siemens 840D, Fanuc etc.)
- Wheels motors with various power output



Used for flat and parallel surface grinding of connecting rods, designed for medium production

OPTIONS

- Manual, automatic or semi-automatic loading/unloading of parts
- Fully automatic machine set-up

Horizontal models		HDD610	HDD760	HDD915	HDD1067
OD grinding wheel		610 mm (24")	760 mm (30")	915 mm (36")	1,067 mm (42")
Max. power grinding wheel		22 kW	75 kW	75 kW	75 kW
Positioning precision		1 µm	1 µm	1 µm	1 µm
Max. workpiece - OD		300 mm (11.8")	400 mm (15.8")	800 mm (31.5")	1,000 mm (39.2")
Max. workpiece - width	Infeed	1 - 90 mm (0.04" - 3.5")	Δ between min. max.: 230 mm (9")	Δ between min. max.: 230 mm (9")	Δ between min. max.: 230 mm (9")
	Through-feed	N/A	2.5 - 60 mm	N/A	N/A
Dimensions (W x D x H)		3,600 x 2,600 x 2,150 mm (11.8' x 8.5' x 7.1')	4,800 x 5,000 x 2,450 mm (15.8' x 16.4' x 8')	4,800 x 5,000 x 2,450 mm (15.8' x 16.4' x 8')	4,800 x 5,000 x 2,450 mm (15.8' x 16.4' x 8')
Machine weight		6,000 kg (13,228 lb)	14,000 kg (30,865 lb)	14,000 kg (30,856 lb)	14,500 kg (31,967 lb)

Gardner, Giustina or Daisho grinding machines will be proposed according to the standards in the specific geographical areas.

The information provided on this document is for information purposes only and does not constitute a legal obligation or a warranty, express or implied, of any kind.

CONTACT US

grinding-ultraprecision@fivesgroup.com

Bryant | Cincinnati | Cranfield Precision | Daisho | Gardner | Giustina | Landis

www.fivesgroup.com



fives

Industry can do it