

PMT Machines Limited

AN ISO 9001 : 2008 COMPANY

CNC Internal Grinding Machines

Building on the strong
SWISS FOUNDATION



FIG-50 CNC



FIG-100 CNC



FIG-200 CNC



FIGE-2x2-150 CNC



FIGE-150 CNC



FIGT-300 CNC

FIG/FIGE
CNC INTERNAL GRINDERS

SPECIFICATION

Model	FIG-50	FIG-100	FIG-200	FIGE-2X2-100	FIGE-2X2-150	FIGE-150	FIGT-300
No. of CNC Controlled axis	2	2	2	2	2	3	4
Grinding bore dia Min. - Max. (mm) (Note : with suitable Wheel spindle)	Ø5 - Ø50	Ø15 - Ø100	Ø30 - Ø200	Ø15 - Ø100	Ø15 - Ø150	Ø15 - Ø150	Ø15 - Ø300
Grinding depth, max. (mm) (Note : with suitable Wheel spindle)	50	100	150	100	150	100	200
Max. chuck dia. (mm) (PMT ML : Make chuck)	Ø220	Ø300	Ø500	Ø220	Ø350	Ø350	Ø400
Workhead Nose.	A2-4 / A2-5 (Optional)	Ø118 / Metrci-70 / A2-6 (Optional)	A2-11 / A2-15 (Optional)	A2-4 / A2-5 (Optional)	Ø118 / Metrci-70 / A2-6 (Optional)	Ø118 / Metrci-70 / A2-6 (Optional) / A2-8(Optional)	A2-6 / A2-11 A2-15 Optional
Workhead Speed. - R.P.M. (Infinitely Variable)	100 - 1000	100 - 500	50 - 400	100 - 1000	100 - 500	100 - 500	50 - 600
X-axis travel (max.) (mm)	150	300	800	300	500	500	150
Glass scale.	Std. Accessory.	Std. Accessory.	Std. Accessory.	Std. Accessory.	Std. Accessory.	Std. Accessory.	Std. Accessory.
Z-axis travel (max.) (mm)	300	300	500	300	500	300	700
Glass scale.	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Z-2-axis travel (max.) (mm)	N/A	N/A	N/A	N/A	N/A	300	N/A
Glass scale.	N/A	N/A	N/A	N/A	N/A	Optional	N/A
Type of Internal grinding Wheel spindle.	H. F. Spindle / Belt Driven (Optional)	H. F. Spindle / Belt Driven (Optional)	H. F. Spindle / Belt Driven (Optional)	H. F. Spindle	H. F. Spindle	H. F. Spindle + Belt Driven	H. F. Spindle
No. of Spindles can be Mounted on the machine.	1	1	1	2	2	2	4
R.P.M. Range. (Note : with suitable Wheel spindle)	6,000 - 1,05,000	6,000 - 1,05,000	6,000 - 1,05,000	6,000 - 1,05,000	6,000 - 1,05,000	6,000 - 1,05,000	6,000 - 1,05,000
Type of Internal grinding spindle Lubrication.	Oil Air / Greased packed	Oil Air / Greased packed	Oil Air / Greased packed	Oil Air / Greased packed	Oil Air / Greased packed	Oil Air / Greased packed	Oil Air / Greased packed
Drive through	H.F. Convertor / Servo Spindle Motor	H.F. Convertor / Servo Spindle Motor	H.F. Convertor / Servo Spindle Motor	H.F. Convertor	H.F. Convertor	H.F. Convertor + Servo Spindle Motor	H.F. Convertor
H.F. Spindle cooling system.	Essential accessory	Essential accessory	Essential accessory	Essential accessory	Essential accessory	Essential accessory	Essential accessory
External Grinding wheel spindle.	N/A	N/A	N/A	N/A	Optional Accessory depending upon the application.	Std. Accessory mounted on 3rd Axis (Z-2-Axis)	Optional
Paper band cum Magnetic filtration system.	Std. Accessory.	Std. Accessory.	Std. Accessory.	Std. Accessory.	Std. Accessory.	Std. Accessory.	Std. Accessory.
Std. Machine Gaurding.	Partially Enclosed	Fully enclosed	Fully enclosed	Fully enclosed	Fully enclosed	Fully enclosed	Fully enclosed
Fume extractor.	Optional Accessory	Optional Accessory	Optional Accessory	Optional Accessory	Optional Accessory	Optional Accessory	Optional Accessory
Fixtures & Toolings can be provided.	As per application	As per application	As per application	As per application	As per application	As per application	As per application
Rotary Dresser	Optional	Optional	Optional	Optional	Optional	Optional	Optional
In-process Gauge	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Tool Monitoring	Optional	Optional	Optional	Optional	Optional	Optional	Optional
CBN Application	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Specifications are subject to change without notice for continuous development. Other details and features on request.



◀ Pune



◀ Halol



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