



B&B TECHNOSOLUTIONS

BPI MODELS

Technical Data of BPI Models

Model	BPI-300 INT	BPI-300	BPI-450	BPI-600	BPI-1000	BPI-1500	BPI-2000
Max. Grinding Length	150 mm	300 mm	450 mm	600 mm	1000 mm	1500 mm	2000 mm
Center Height	175 mm	140 mm	140 mm	140/165 mm	165 mm	165 mm	165 mm
Max. Work Diameter Ground	200 mm	270 mm	270 mm	270 mm	325 mm	325 mm	325 mm
Table Feed	Merch./Hyd.	Merch./Hyd.	Merch./Hyd.	Merch./Hyd.	Merch./Hyd.	Merch./Hyd.	Merch./Hyd.
Max. Swivel of Table	7°	7°	7°	7°	7°	7°	7°
Work Head & Tail Stock							
No. of Speed of Work Head Spindle	Variable/AC Drive	Variable	Variable	Variable	Variable	Variable	Variable
Morse Taper in Workhead	MT-4	MT-3	MT-3	MT-3/MT-4	MT-4	MT-4	MT-4
Swivel of Workhead	60°	90°	90°	90°	90°	90°	90°
Work Head Motor 1440 Rpm	1 H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.
Grinding Wheel Head & Table Feed							
Grinding Wheel	14"X1.1/2"X5"	14"X1.1/2"X5"	14"X1.1/2"X5"	14"X1.1/2"X5"	16"X1.1/2"X5"	16"X1.1/2"X5"	16"X1.1/2"X5"
Grinding Head Motor 1440 Rpm	1 H.P.	3 H.P.	3 H.P.	3 H.P.	5 H.P.	5 H.P.	5 H.P.
Wheel Head Swivel	60°	60°	60°	60°	60°	60°	60°
Table Feed Motor 1440 Rpm	1 H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.
No. of Speed of Table Feed	3	3	3	3	3	3	3
Internal Grinding Attachment							
Grinding Spindle Outer Diameter	60-80 mm	60 mm	60 mm	60 mm	60 mm	60 mm	60 mm
Max. Quill Lenght	30-150 mm	80 mm	80 mm	80 mm	100 mm	100 mm	100 mm
Quill Dia	10-30 mm	15 mm	15 mm	15 mm	18 mm	18 mm	18 mm
Min. & Max. Dia of Hole Grinding	5-120 mm	16-100 mm	16-100 mm	16-100 mm	19-125 mm	19-125 mm	19-125 mm
Spindle Speed	9000-18000 RPM	16000 RPM	16000 RPM	16000 RPM	16000 RPM	16000 RPM	16000 RPM
Internal Grinding Attachment Motor 2800 Rpm	2.0 H.P.	1.5 H.P.	1.5 H.P.	1.5 H.P.	1.5 H.P.	1.5 H.P.	1.5 H.P.
Coolant & Hydraulic Tank							
Cap. Of Coolant Tank	125 Ltr.	165 Ltr.	165 Ltr.	165 Ltr.	165 Ltr.	165 Ltr.	165 Ltr.
Coolant Tank Motor	0.5 H.P.	0.5 H.P.	0.5 H.P.	0.5 H.P.	0.5 H.P.	0.5 H.P.	0.5 H.P.
Cap. Of Hydraulic Tank	75 Ltr.	75 Ltr.	75 Ltr.	75 Ltr.	75 Ltr.	75 Ltr.	75 Ltr.
Hydraulic Tank Motor 1440 Rpm	1 H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.
Weight							
Approx. Gross Weight	2000 kg	2000 kg	2500 kg	2950 kg	3400 kg	4000 kg	4300 kg



B&B TECHNOSOLUTIONS

BPI-300 - CNC/SLC GRINDERS

Technical Data of BPI Models

Model	BPI-300 SX & DX
Max. Grinding Length	300/450/600 mm
Center Height	140/165 mm
CNC/PLC System	Siemens/Fuji/Delta
Rapid Feed (X & Z axes)	7000 mm/min
Min. Incremental Feed (X & Z axes)	0.001 mm
Grinding Wheel Head	
Grinding Wheel Diameter	355/405 mm
Grinding Wheel Width	25/38/50 mm
Motor Power	3/5 H.P.
Work Head	
Speed Range	Variable RPM
Spindle Nose Taper	3/4 MT
Tailstock	
Tailstock Centre	3/4 MT