

MAIN SPECIFICATION:

OPERATION INFORMATION:

No. Of Deburring Head	-----	2 Nos.
Maximum Job Width	-----	100 mm
Minimum Job Height	-----	50 mm
Deburring Wheel Speed	-----	300 to 3000 RPM.
Drum Rotation Speed	-----	50-300 RPM
Conveyor Speed	-----	1-9 meter/ minute
Conveyor Width	-----	100mm
Deburring Wheel OD	-----	150mm
Deburring Brisel Height	-----	18 to 25 mm

CONVEYOR BELT INFORMATION:

Machine Convy. 1 Belt Size	-----	100 W x 5875 L mm
Machine Convy.2 Belt Size	-----	100 W x 4800 L mm
Job Rev.Convy. Belt Size	-----	100 W x 1015 L mm
Inlet Conveyor Belt Size	-----	100 W x 2290 L mm
Outlet Conveyor Belt Size	-----	100 W x 2290 L mm

OTHER RELATED INFORMATION:

Floor To machine Belt Top	-----	1100 mm
Deburring Brush Head up/down	-----	Motorized
No of Deburring Brush	-----	4 brushes per Head.
No Of Exhaust Ports	-----	1 No
Exhaust Port Size	-----	200mm.
Air Requirement	-----	NIL

OTHER SPECIFICATIONS:

Country of origin	-----	INDIA
Serial no	-----	2103
Year of manufacturing	-----	2013

FEATURES:

- Job Inward in the machine by Inlet Conveyor.
- Job reversal from 1st machine conveyor to 2nd Machine Conveyor automatic by rotary job reverse Arrangement.
- Job Outward from the machine by outlet conveyor.
- Independent motor control.
- Safety guard with Interlock.
- Easy manual setting of Deburring Brush Height.
- Coolant Filtration system.
- Mist collector.
- Job Holding by Magnet below job conveyor.
- Demagnetizer.
- PLC control.
- Inbuilt clockwise / anticlockwise arrangement for Deburring Brush of Each Head.

MACHINE DATA SHEET

MACHINE NAME :	DEBURRING MACHINE	
MACHINE DIMENSIONS:		
Weight:	-----	
Length/Width/Height:	-----	4100 x 3000 x 2750 mm
Foot Print(Length x Width)	-----	3000 x 1400 mm.
SHIPPING DIMENSSIONS:		
Type	-----	20 FT CONTAINER
Content	-----	MACHINE & PARTS
Weight	-----	
Length/Width/Height	-----	
ELECTRICAL:		
Switch	-----	Main On/Off Switch
Switch AMP.	-----	32 AMP
Switch Voltage	-----	400 V AC
Cable Required	-----	10 sq.mm
MOTORS:		
DEBURRING HEAD:		
Type	-----	TEFC Induction
Horsepower	-----	4 KW x 2 NOS
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	7.5 A
Speed	-----	2880 RPM
Cycle	-----	50 Hz
No of speeds	-----	Variable
Power Transfer	-----	1:1
Drive	-----	Direct Timing pulley.
Bearings	-----	Sealed And Lubricated
DRUM ROTATION HEAD:		
Type	-----	TEFC Induction
Horsepower	-----	1.5 KW x 2 NOS
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	3 A
Speed	-----	1440 RPM
Cycle	-----	50 Hz
No of speeds	-----	Variable
Power Transfer	-----	5:1
Drive	-----	Direct Timing pulley.
Bearings	-----	Sealed and Lubricated
CONVEYOR:		
Type	-----	TEFC Induction
Horsepower	-----	0.75KW x 2NOS
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	1.5 A
Speed	-----	1440 RPM
Cycle	-----	50 Hz
No of speeds	-----	Variable
Power Transfer	-----	Gear Box 80:1
Bearings	-----	Sealed and Lubricated

JOB REVERSAL CONVEYOR BELT:

Type	-----	TEFC Induction
Horsepower	-----	0.18KW x 1 NO
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	0.8 A
Speed	-----	1440 RPM
Cycle	-----	50 Hz
No of speeds	-----	Variable
Power Transfer	-----	Gear Box 80:1
Bearings	-----	Sealed And Lubricated

INELT JOB CONVEYOR:

Type	-----	TEFC Induction
Horsepower	-----	0.18 KW x 1 NO
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	0.8A
Speed	-----	1440 RPM
Cycle	-----	50 Hz
No of speeds	-----	Single
Power Transfer	-----	Gear Box 28:1
Bearings	-----	Sealed And Lubricated

OUTELT JOB CONVEYOR:

Type	-----	TEFC Induction
Horsepower	-----	0.18 KW x 1 NO
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	0.8A
Speed	-----	1440 RPM
Cycle	-----	50 Hz
No of speeds	-----	Single
Power Transfer	-----	Gear Box 20:1
Bearings	-----	Sealed And Lubricated

MIST COLLECTOR MOTOR:

Type	-----	TEFC Induction
Horsepower	-----	1.2 KW x 1 NO
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	2.2 A
Speed	-----	2880 RPM
Cycle	-----	50 Hz
No of speeds	-----	Single
Power Transfer	-----	Direct
Bearings	-----	Sealed And Lubricated

COOLANT SYSTEM:

Coolant Motor:

Type	-----	TEFC Induction
Horsepower	-----	0.56 KW x 1 NO
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	0.6 A
Speed	-----	1440 RPM
Cycle	-----	50 Hz
No of speeds	-----	Single
Power Transfer	-----	Direct
Bearings	-----	Sealed And Lubricated

Coolant Transfer Motor:

Type	-----	TEFC Induction
Horsepower	-----	0.18 KW x 1 NO
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	0.6 A
Speed	-----	1440 RPM
Cycle	-----	50 Hz
No of speeds	-----	Single
Power Transfer	-----	Direct
Bearings	-----	Sealed And Lubricated

Paper conveyor Motor:

Type	-----	TEFC Induction
Horsepower	-----	0.18 KW x 1 NO
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	0.7 A
Speed	-----	1440 RPM
Cycle	-----	50 Hz
No of speeds	-----	Single
Power Transfer	-----	Gear Box
Bearings	-----	Sealed And Lubricated

Magnetic Separator Motor:

Type	-----	TEFC Induction
Horsepower	-----	0.18 KW x 1 NO
Voltage	-----	400 Volts
Phase	-----	Three
Amps	-----	0.7 A
Speed	-----	1440 RPM
Cycle	-----	50 Hz
No of speeds	-----	Single
Power Transfer	-----	Gear Box
Bearings	-----	Sealed And Lubricated