

Description of multiblock wire drawing machine MBK-8/300

Mashtronics MBK series of wire drawing machine are multipass wire drawing machine with die or rolling cassette for reduction, with tilted block connected by V belts and gear-boxes and dancer arm with rolls for speed synchronization allows the MBK the high-speed drawing of medium and fine wire diameter. According to the technical specifications of the machine, it can achieve speeds up to 25 m / sec

MBK-8/300 is designed to drawn wire to the minimum 0.4 mm. Using Siemens motors and Siemens PLC the machine reaches a high speed drawing and reliable operation when working in all three shifts. Using SKF bearings and central lubrication of main bearing we achieve long-lasting and reliable work.

Frame body is designed and built in sturdy, electro-welded steel plate. Body comes in one or more multiple-block sections protected with color for painting and fitted with bolts for lifting, transport and installation.

The capstain, die box, AC motors, gearbox, V belts, brakes, safety guards, water tube are pre-assembled on the frame body and tested in Mashtronics assembly factory.

Drawing capstain (drawing block) are made of steel coated with a layer of tungsten carbide. Capstain are cooled using a high-turbulence water flow. Cooling water is fed to the capstain and dies through two separate tube circuits.

According to customer request it is possible to use fixed die-holder or rotating die holder. In all of our die boxes is an automatic mixing of drawing soup.

All electrical components and electro mechanical components come from leading suppliers and are available world wide such as Siemens motors, Siemens PLC, Siemens Display, Hager....

MASHTRONICS D.O.O

Milosa Stepica 21 Mladenovac/Serbia

Tel: +381 63 650532

e-mail: sales@mashtronics.com / mashtronicsdoo@gmail.com

web: www.mashtronics.com

The main characteristics and performances of MBK-8/300 machine are written in the table but need to know that the experience of Mashtronics engineers allows us to offer and design special machines according to customer's request.

MBK-8/300	
Parts of machines:	
1.	Pay-off
2.	MBK-8/300
3.	Spooler
Specification:	
Suitable for drawing.	Wire up to 1000 N/mm ²
Direction of the wire:	From left to right (or by customer request)
Diameter range :	0.8-0.4 mm
Speed	Designed speed: [20]m/sec Optimal working speed: 15-18 m/sec
Number of drawing block	Eight (8) block
Number of drawing dies	8
Diameter of capstan (from the first to the third)	300 mm
Diameter of capstan (from the fourth to the eighth)	250 mm
The hardness of the capstaing	HRC 55-60
Power on capstain:	5.5 kW
Total power	65 kW
Spooler MT800	Max 800 kg
Dies cooling	Water
Capstan cooling	Water
Mixing soup in dies	On each dies holder
Motors	Siemens with encoder and forced cooling.
Frequency regulators	Emerson Control techniques
Electrical cabinet	Integrated in special designed and air cooling houses, placed above the machine due to the space saving.
PLC and Display	Siemens
Pneumatic	SMC

MASHTRONICS D.O.O

Milosa Stepica 21 Mladenovac/Serbia

Tel: +381 63 650532

e-mail: sales@mashtronics.com / mashtronicsdoo@gmail.com

web: www.mashtronics.com



MASHTRONICS D.O.O

Milosa Stepica 21 Mladenovac/Serbia

Tel: +381 63 650532

e-mail: sales@mashtronics.com / mashtronicsdoo@gmail.com

web: www.mashtronics.com



MASHTRONICS D.O.O

Milosa Stepica 21 Mladenovac/Serbia

Tel: +381 63 650532

e-mail: sales@mashtronics.com / mashtronicsdoo@gmail.com

web: www.mashtronics.com

MASHTRONICS

www.mashtronics.com

"WE PROCESS YOUR WIRE"



MASHTRONICS D.O.O

Milosa Stepica 21 Mladenovac/Serbia

Tel: +381 63 650532

e-mail: sales@mashtronics.com / mashtronicsdoo@gmail.com

web: www.mashtronics.com