



Velocity Engineers Private Limited

Add: B 49/1, Industries Area, SITE IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh- 201010

Tel : +91-011-43503165

Mobile Phone : +91-9999313315

E-mail : Info@velocityengineers.com

MODEL: 24DW HIGH SPEED FINE WIRE DRAWING MACHINE (HORIZONTAL)

A. COMPONENT ELEMENT:

1. 24DW drawing machine 1 SET
2. PAY-OFF 1 SET 3. Cart 1 SET
4. User's manual 1 SET 5. Spare parts

B. MAIN SPECIFICATION:

1. Application: Bare copper wire drawing
2. Inlet diameter: $\Phi 1.4\text{mm}-\Phi 0.6\text{mm}$
3. Outlet diameter: $\Phi 0.5\text{mm}-\Phi 0.08\text{mm}$
4. Maximum drawing speed: 2500MPM/MAX
5. Dies: 24 dies (provide by customer self) $\Phi 25\text{mm} \times 8$
6. Ratio of M/C: Dies No. 1 to No.23 13% Die No.24 8%
7. Drawing method: 4 shafts horizontally arrangement; sliding continuous drawing
8. Power: Main motor: 20HP (15KW) AC motor + frequency converter
Take-up motor: 5HP (3.7KW) AC motor + frequency converter
9. Frame: Cast
10. Transmission: Transmit by flat belts
11. Capstan: Coating by ceramic, horizontally arrangement
12. Lubricant system: Lubricant demand: 40L/MIN (without pump water and tank)
13. Spool dimension: $\phi 300\text{mm}$ (made according to customer)
Take-up capacity: 40-60KG
14. Bobbin loading & unloading; Screw pressing type, with cart
5. Traversing: 110W synchronizing motor traversing; 270mm/Max width
16. Spooling control method: Weight balance by swing arm; automatically revise spooling tension
17. Protection cover: Grille for transmission area;
Stainless steel plate for drawing area;
Sealed cover with 3 inspection windows for spooling area.

- 18. Brake: 20KG electromagnetic brake
- 19. Weight: 2500K
- 20. Dimension: 2300L*1300W*1700H (mm)

C. EQUIPMENT TECHNICAL STANDARDS

1. Frame :

- 1-1 Material: HT-250
- 1-2 Structure: Cast, annealed

2. Inlet area:

- 2-1 Position of inlet: On left of machine, 6 inlet holes
- 2-2 Alumina hole for inlet, there is collecting tank on the inlet area.

3. Shaft: made in 42 Chromium-molybdenum steel

4. Transmission: All transmission by flat belt;

5. Capstan: Ceramic plasma; four 11-tier capstans; one single tier capstan for final drawing

6. Dies

7. Lubrication system: Spray type; lubrication oil 40 liter/min (without water pump & tank); independent lubrication pipe for No.1 &No.23 Die

8. Spool dimension: Outer diameter $\Phi 300$ mm; (according to customer's requirements)

Outer diameter	Inner diameter	Outer wide	Inner wide	Bore Diameter
$\Phi 300$	$\phi 215$	290	270	$\Phi 127$

9. Traversing unit:

- Traversing system: 110W synchronizing motor traversing;
- Traversing width: 270mm/Max

10. Bobbin loading & unloading type: single bobbin fixed with screw (with loading & unloading cart)

11. Spooling control method: Weight balance by swing arm; automatically revise spooling tension

12. Brake: 20KG magnetic brake

13. Protection cover: Grille for transmission area;

Stainless steel plate for drawing area; Sealed cover with 3 inspection windows for spooling area.

14. Electric parts: Electric control parts made in China and Taiwan or overseas, top-class brand;

15. Power source: Three-phase 415V 50HZ (according to customer's requirements)

16. Dimension: 2300L*1300W*1900H (mm)

17. Weight: 2800KG

D. CONFIGURATION

24D			
No.	Name	Specification	Brand
1	Frequency Converters of main machine	11KW	Yaskawa, Made in Japan ,dedicated to wire drawing machine
2	Frequency Converters of spooling	3.7KW	Yaskawa, Made in Japan, dedicated to wire drawing machine
3	Transformer		TAIHAO, made in Suzhou
4	Main Motor	11KW	WANNAN, made in ANHUI
5	Spooling Motor		WANNAN, made in ANHUI
6	Low Voltage Apparatus	3.7KW	OMRON
7	Position limit switch		SHILING, made in Taiwan
8	Switching push button		TEND, made in Taiwan
9	Bearing		NSK, made in Japan
10	Belts		NITA, made in Japan, or made in Switzerland
11	Capstans		Coated by ceramic
12	Frame		Cast

D. CONFIGURATION

1. Paint:

Paint after rustproof production according to clients' requirements.

2. The consumables:

Capstan; Distributing guide pulleys; Traversing guide pulleys; Flat belts

3. Guarantee:

- The guarantee period of the machine shall be 13 months counting from the date of the Bill of loading date.

4. Commission:

Idle-running test will be carried out at our plant with no rough material fed. An acceptance test will be carried out with rough material fed at the buyer's request. A separate quotation for test Rough material will be offered .this charge shall be borne by the buyer. (Test-run at maker's plant). Running-test is carried out at buyers' plant, all of the charges for the testers including flight ticket, traffic, salary, accommodation outside makers' plant shall be paid by the buyer.

5. Accessory:

The prices are for machinery only, price for foundation work installation for machines and distribution of electric wiring & piping outside are excluded. Bobbin(Drum), gear oil, Lubricant oil, Dies, Butt welder, Raw Material, Air compressor, test equipment ,etc. are excluded.



Tap to see video