



Aluminum Rod Breakdown Machine with Individual Motors

Aluminum Rod Breakdown Machine with Individual Motors is used to produce aluminum wires sized $\phi 1.6-4.5\text{mm}$ from aluminum rods of $\phi 9.5\text{mm}$ or wire $\phi 2.1-4.5\text{mm}$ from aluminum alloy rods of $\phi 9.5\text{mm}$.

1. Description

This machine is used to produce aluminum wires sized $\phi 1.6-4.5\text{mm}$ from aluminum rods of $\phi 9.5\text{mm}$ or wire $\phi 2.1-4.5\text{mm}$ from aluminum alloy rods of $\phi 9.5\text{mm}$. The drawing capstan is arranged in straight line and in a continuous order. Each twin-capstan is drove by single Servo motor. The machine speed gets well along with the electric speed so as to change dies quickly as well as to meet different aluminum material. It is highly praised for easy operation, high efficiency and excellent wire quality.

- Used for drawing round and irregular line of aluminum and aluminum alloy rod;
- Provide straight gear drive and separate motor drive wire drawing machine, at the same time can be selected with single or double head wire drawing machine;
- This machine is used to produce aluminum wires sized $\phi 1.6-4.5\text{mm}$ from aluminum rods of $\phi 9.5\text{mm}$ or wire $\phi 2.1-4.5\text{mm}$ from aluminum alloy rods of $\phi 9.5\text{mm}$.
- Each drawing ring is independently driven by a motor. Each compression ratio can be set appropriately, convenient for mold matching. Can meet a variety of grades of aluminum wire drawing.
- Optional: annealer can be equipped to realize aluminum alloy wire online annealing;
- Optional: single spooler, double automatic spooler, vertical pay-off or combination of various take-up forms;
- Using MMI+PLC control system, production line synchronization control, online monitoring, process parameters can be modified in the touch screen, storage, reading, simple and fast operation;
- Threading machine, heat exchanger, steam generator and filter are available for customer choice.

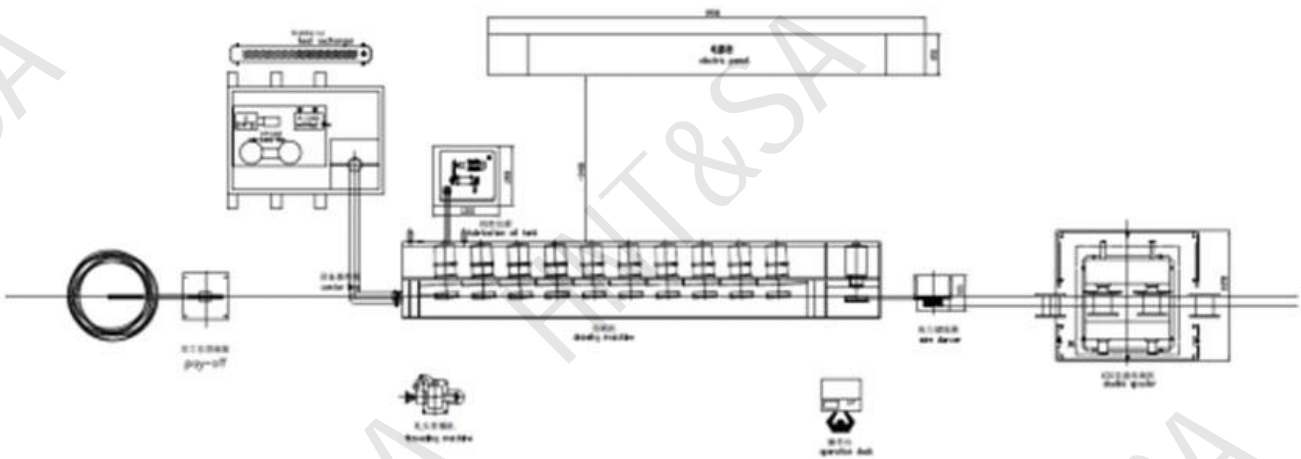
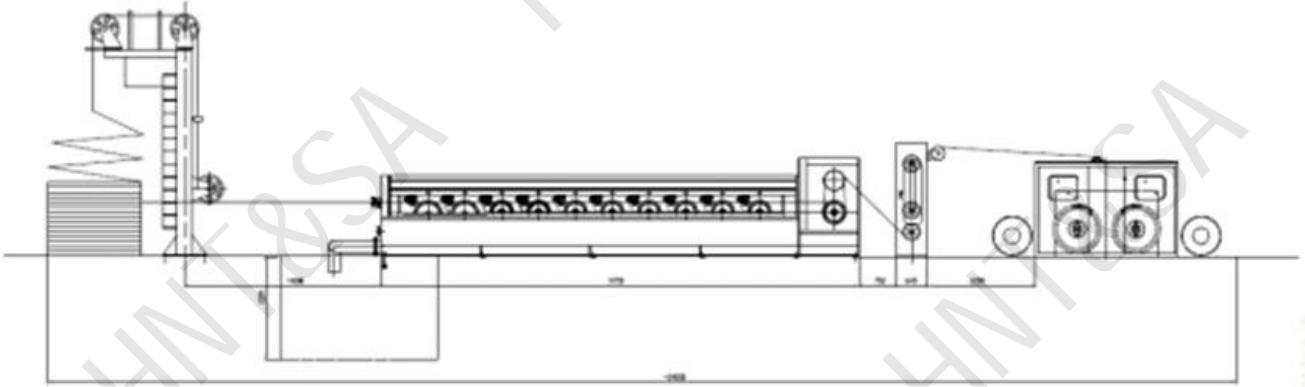
2. Technical parameters

Drive Mode	Model	Inlet diameter (Mm)	Wires	Outlet diameter (Mm)	Max. Speed (M/S)	Max Drawing Pass	Capstan diameter (Mm)	Installed Capacity (KVA)
Shunt Drive	LWHD-450/9	$\phi 9.5$	1	$\phi 2.5-\phi 4.5$	25	9	$\phi 450$	350
	LWHD-450/11	$\phi 9.5$	1	$\phi 2.0-\phi 4.5$	25	11	$\phi 450$	420
	LWHD-450/13	$\phi 9.5$	1	$\phi 1.6-\phi 4.5$	28	13	$\phi 450$	480
	LWHD-450/11(S)	$\phi 9.5$	2	$\phi 2.6-\phi 4.5$	25	11	$\phi 450$	460
	LWHD-450/13(S)	$\phi 9.5$	2	$\phi 2.0-\phi 4.5$	28	11	$\phi 450$	460
In-Line Gear Drive (Single Motor)	LWHD-450/9	$\phi 9.5$	1	$\phi 2.5-\phi 4.5$	22	9	$\phi 450$	300
	LWHD-450/11	$\phi 9.5$	1	$\phi 2.0-\phi 4.5$	25	11	$\phi 450$	350
	LWHD-450/13	$\phi 9.5$	1	$\phi 1.6-\phi 4.5$	28	13	$\phi 450$	400
	LWHD-450/13(2)	2* $\phi 9.5$	2	$\phi 2.0-\phi 4.5$	28	13	$\phi 450$	600

Take-up form (optional)

- 1: 630Single bobbin take-up ; 2: 630Dual bobbin take-up ; 3: 800Single bobbin take-up
4: 800Dual bobbin take-up ; 5: 820Vertical pay-off; 6: Or above combination

3. Layout



4. Equipment Pictures



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