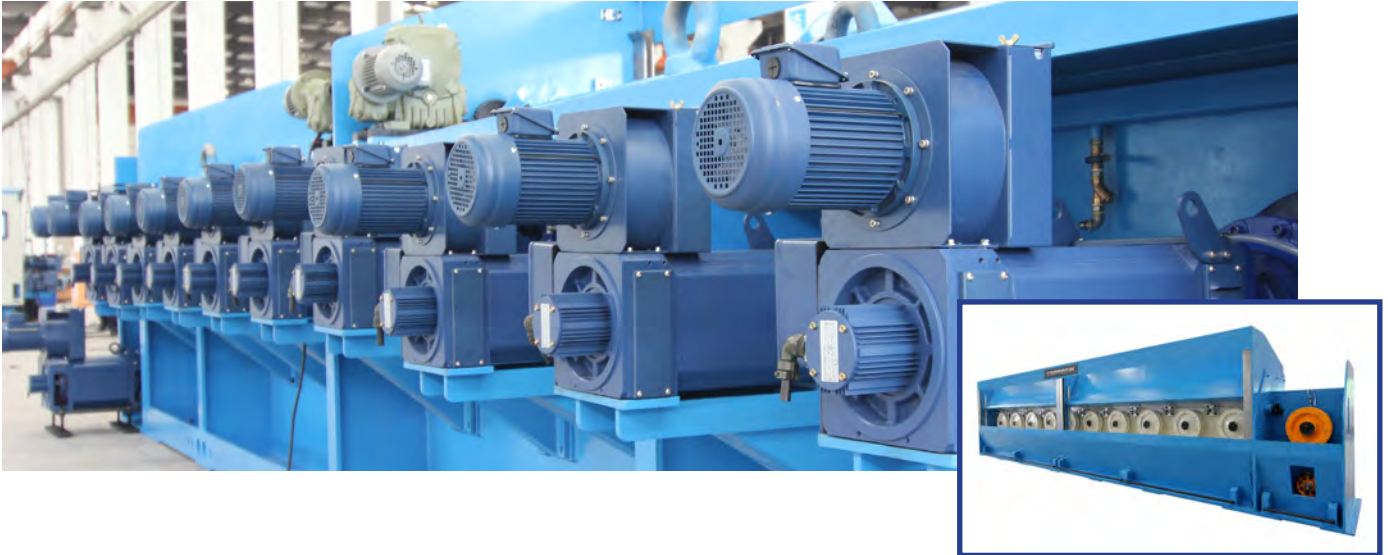


## DAM - Multimotor ROD Breakdown Machine



### Machine description

Horizontal slip type rod breakdown machine to draw copper, aluminum and aluminum alloy rods. Can be spooled by single take up, double take up with auto bobbin change and/or basket down coiler when wishing to pay off from coils on the next process. Has been designed with single step capstans having each one its own drawing die and driven individually by precise AC servo motors to gain from freedom of die arrangement, higher efficiency and minimize the wearing of the rings due to the low slip rate.

- The machine is equipped with easily exchangeable long life tungsten carbide drawing rings
- Centralized oil cooling system for all planetary gear-reducers
- Last drawing die motorized independently
- Provided with PLC+HMI control system for drawing speed synchronization and die schedule auto-arrangement

### Technical Features

MODEL	DAM-11-Cu	DAM-11-Al	DAM-11-AAC
Number of dies & capstans	11	11	11
Capstan diameter [mm]	560 (capstan 1-3) 450 (capstan 4-11)	560 (capstan 1-3) 450 (capstan 4-11)	560 (capstan 1-3) 450 (capstan 4-11)
Inlet Wire diameter [mm]	8.0	9.5	9.5
Finished wire diameter [mm]	1.7 - 4.0	2.0 - 4.0	2.6 - 4.0
Line speed [m/s]	25	25	20
Production capacity [kg/h]	1800 kg/h for 1.7 mm wire	765 for 2 mm wire	1035 kg/h for 2.6 mm wire
Machine area reduction [%]	23.64 - 32.5	24.43 - 39.5	23.85 - 26.5
Driving motors per capstan [kW]	30 - 45	22 - 30	37 - 55
Finishing capstan motor power [kW]	75 kW AC servo	37 kW AC servo	55 kW AC servo