

Straight-line Wire Drawing Machines





sensor - roll control



dancer control with individually pivoted guide roll on top of capstan



reduction of cross sectional area by cold rolling with compact cassettes

Application

For torsion-free drawing of

- high and low carbon steel wire by use of a sensor-roll controlled machine
- stainless steel and flux-core wire by use of a dancer-controlled machine with individually pivoted guide roll on top of capstan
- steel mesh wire by cold rolling and profiling with compact cassettes

Mechanical design features

- single or multi-block units according to capstan
- drive of capstan either by direct vee-belts or vee-belts combined with helical toothed spurgear, i.e. constant efficiency for total speed range
- capstan made of steel, either wear-resistant metallized with chrome steel or with ceramic coating
- fixing of capstan on shaft by self-centering taper bushing
- water cooling of capstans by narrow gap vortex – cooling system with high efficiency
- safety equipment according to German (UVV-Draht) and CE-standard

Electrical design features

- AC main drive motors, water-cooled = low noise level and environment emission; option: air cooling by individual fan.
- SIEMENS frequency converters with VECTOR control.
- „Profi-Bus“ transfer circuit
- stored programm control SIMATIC S7 operator panel OP = storage of up to 50 drawing schedules and pre-selection of sensor-roll control dancer control with individually pivoted guide roll on top of capstan.

Technical Data

Size	Drawing - Force [kN]	Capstan Dia. [mm]	Inlet dia. [mm] max. ,H 8	Finish dia. [mm]	Installed power [kW]
60	60	800/900	13,0	6,00-3,00	110
40	40	750/800	11,0	4,00-2,50	90
25	25	600/700	8,0	3,00-1,80	75
16	16	550	5,5	2,50-1,10	45
8	8	450	3,6	1,80-0,80	30