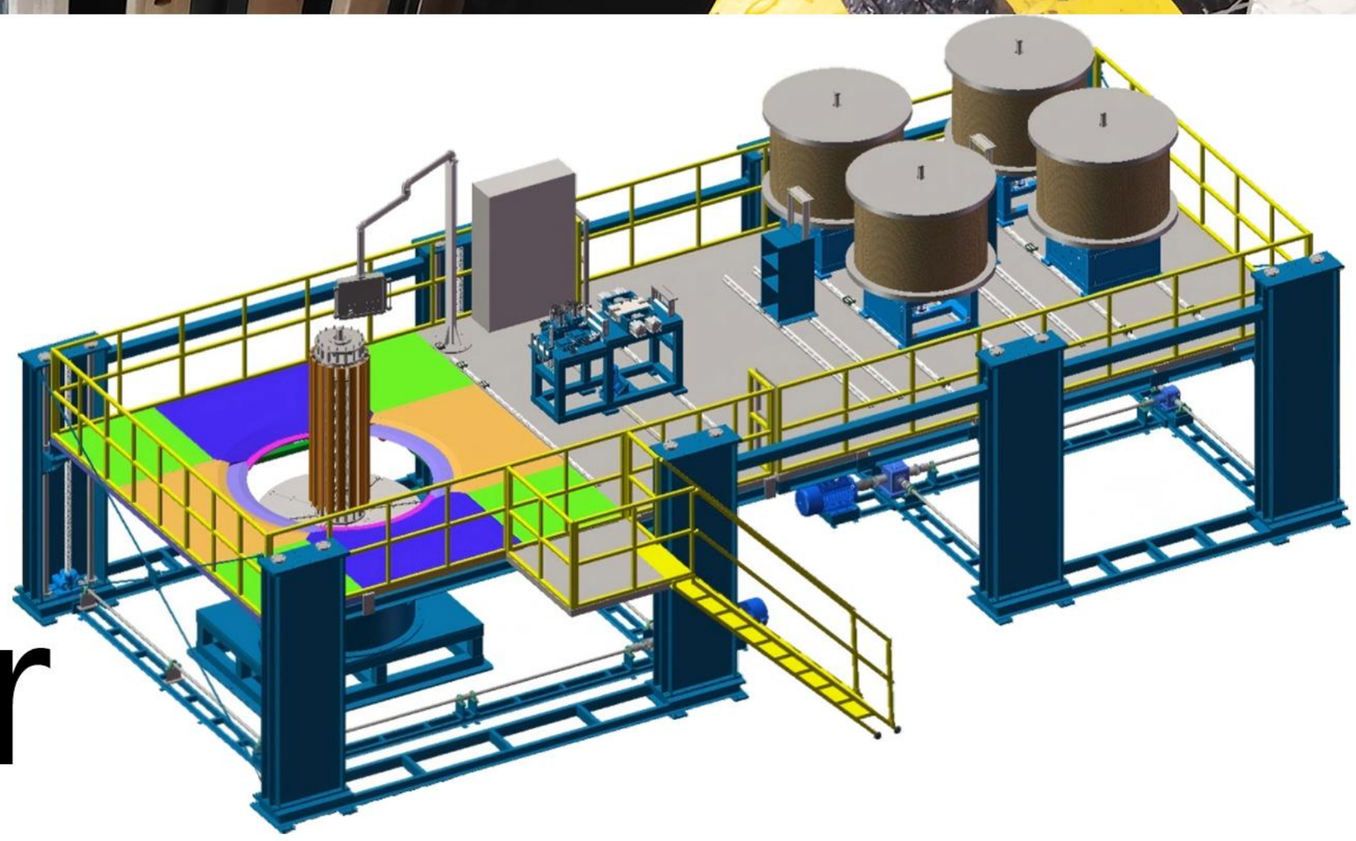
BEST

Vertical Transformer Winding Machine



The vertical winding machine is specifically designed for large power transformers, offering both pit-type and floor-type installation structures . Utilizing a vertical winding method, the equipment is particularly suitable for precision manufacturing of large coils such as those for ultra-high voltage (UHV) transformers and reactors

- **Technologically advanced:**
  The equipment design incorporates a range of cutting-edge technologies, including laser ranging systems and protective devices for detecting thread wear.
- **Energy-efficient:**
  The equipment features low energy consumption, and its foundation pit requires minimal dimensions and shallow depth, facilitating ease of construction.
- **Premium components:**
  The equipment configuration utilizes standardized components, sourced from either renowned international suppliers or leading domestic brands.

Parameter	LRJ-D-10	LRJ-D-15	LRJ-D-25	LRJ-D-35
Faceplate Load Capacity (kg)	10000	15000	25000	35000
Faceplate Diameter (mm)	1500	2000	2000	3000
Faceplate Speed (r/min)	0-20	0-15	0-10	0-7
Max. Swing Diameter (mm)	2000	3000	3000	3500
Max. Torque (Nm)	20000	30000	32000	32000
Cover Plate Extension Range (mm)	1000-2500	1200-3000	1200-3200	1200-3500
Cover Plate Extension Speed (m/min)	0.5	0.5	0.5	0.5
Faceplate Height Above Ground (mm)	350	350	350	350
Max. Wire Tension (N)	10000	12000	12000	12000
Coil Winding Start Height (mm)	500	500	500	500
Faceplate Rotation Motor Power	15	22	25	37
Lifting Motor Power (kw)	7.5	7.5	11	15
Total Power(kw)	25	35	42	55

- **High-quality transmission system:**
  Employing high-quality transmission components, the system ensures high-precision operation characterized by smooth, shock-free movement and low noise levels.
- **Electrical control system:**
  The electrical control system features advanced functionality and robust hardware support; through software programming, it enables seamless switching between manual and automatic control modes.
- **Auxiliary units:**
  The auxiliary units are comprehensively configured and structurally sound, delivering excellent performance and operating under an interlocking control system integrated with the main unit.