

PlasmaACT

Lubricant adhesion for rod drawing



Surface activation for lubricant or carrier adhesion in-line with rod drawing
For stainless steel, alloyed steel or titanium rods
Chemical-free surface preparation

Surface Treatment Applications

Material / Application	Stainless and alloyed steels Titanium alloys Copper and nickel alloy
Material Form	Wire rod
Line Configuration	Payoff > PlasmaACT (surface activation / preheating) > Drawing > Takeup
Industry Sectors	Medical, automotive, aerospace, transport, energy, overhead power conductors

Machine Specifications

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Machine Type	HACT10 HACT20
Dimension Range	Wire rod: 5 mm - 20 mm
Machine Dimensions	Length: 1.5 m - 3 m Height: max 2.2 m Width: max 2.5 m Horizontal or vertical line configuration subject to space availability Line configuration subject to application
Production Output	Variable, subject to cross-section and application
Production Speed	Variable, subject to cross-section and application
Total Power Rating	HACT10: max 20 kW HACT20: max 30 kW Power rating subject to cross-section and application
Atmosphere	Nitrogen, forming gas, hydrogen, gas mixtures Type of purging gas subject to application
Controls	PLC controls with user-friendly, touch-screen HMI Production recipe database and computer based surface quality control
Safety	CE/UL mark Compliant to EU and USA safety regulations



Key Features

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- Dry surface preparation and preheating
- In-line with wire rod drawing
- Superior lubricant or lubricant carrier adhesion
- No chemicals or dust
- Alternative to pickling or shot blasting or electrochemical polishing
- Compact design
- Easy to operate machine with quick string in
- No warming-up/cooling-down time
- Low production and maintenance costs
- Computer enabled surface quality control
- Environment and operator friendly production