

# ORBITAL ABRASIVE SANDING MACHINE



## High performance descaling

up 1,000 fpm - 5.0 m/s

### FEATURES

- Single head design for perfect sanding at speeds up to 1,000 fpm - 5.0 m/s utilizing an efficient single motor drive
- Universal descender for all in-line wire drawing applications - covers the complete range of rod diameters, inlet speeds and surface finish requirements
- Operator friendly control panel and convenient access doors for superior productivity and ease of use
- Self-adjusting abrasive belt tensioning system for constant sanding belt pressure, longer belt life and consistent belt-to-belt rod quality
- Robust mechanical design and construction for severe industrial applications
- Specialized reverse bending rolls designed for optimal rod surface deformation and elongation for maximum scale removal
- Maintenance-free abrasive sanding belt drive system sealed and oil lubricated for demanding operation
- Quick change abrasive sanding belt - less than one minute from stop to re-start
- Modular construction for ease of installation. Multiple units may be installed in-line for progressive rod surface finishing applications
- Optional rod coating and drying system for pre-coating of borax, lime or other proprietary coating mixtures

## APPLICATIONS

### LOW CARBON WIRE

nails  
fibers  
fine wire  
coarse wire  
cold heading wire

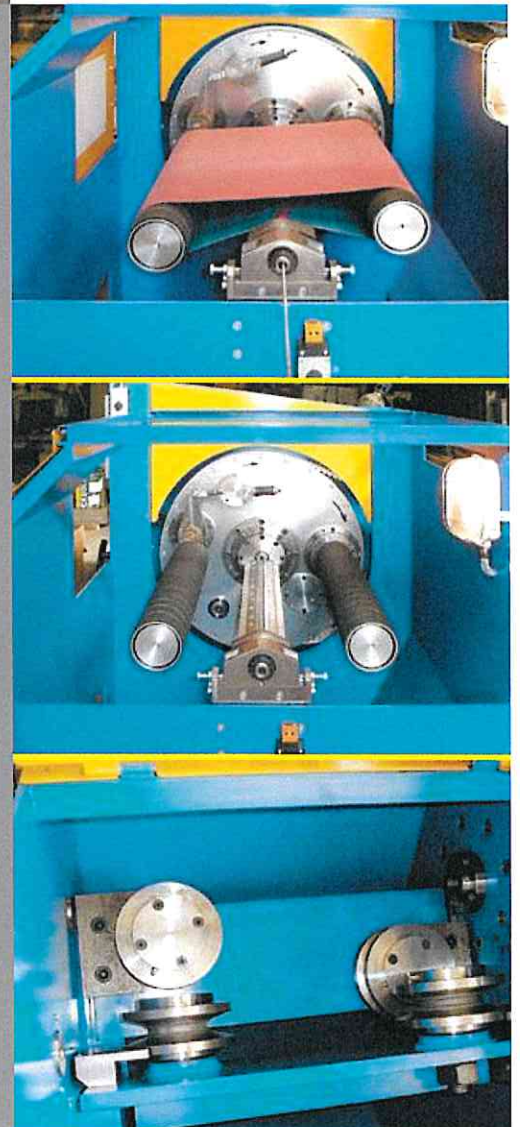
### HIGH CARBON WIRE

springs  
ropes  
steel cord  
bead wire

### PLATING QUALITY WIRE

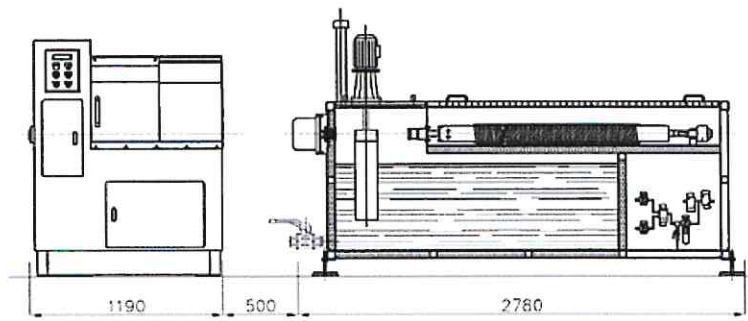
### WELDING WIRE

CO<sub>2</sub> welding wire  
submerged arc wire  
electrodes

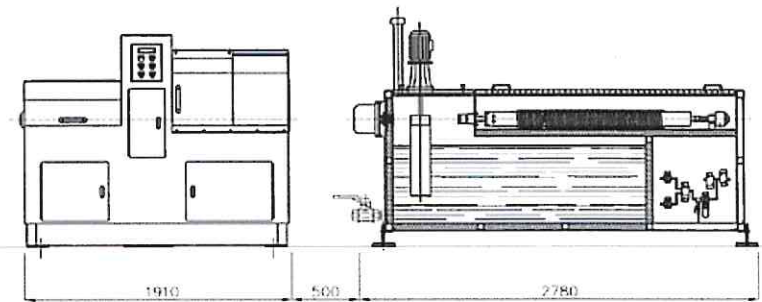




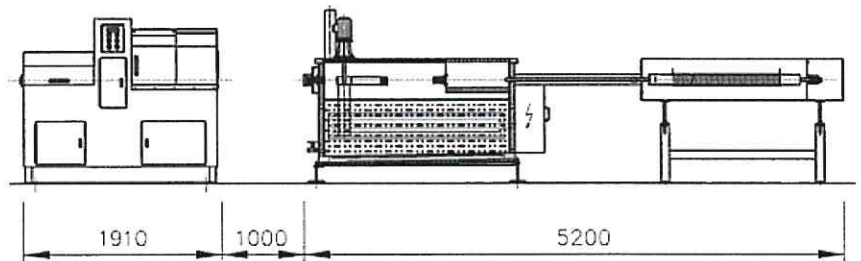
orbital abrasive sanding machine  
 (mod. SBH81) +  
 coating and drying unit  
 (mod. CDU12K)



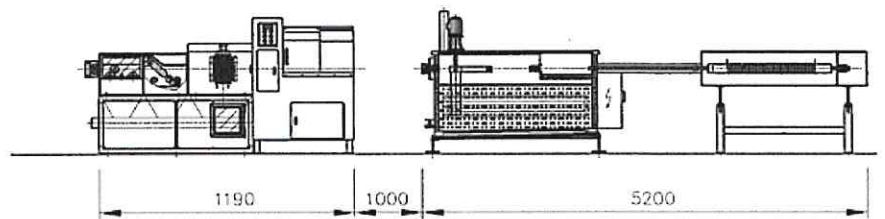
orbital abrasive sanding machine  
 (mod. SBH80) +  
 coating and drying unit  
 (mod. CDU12K)



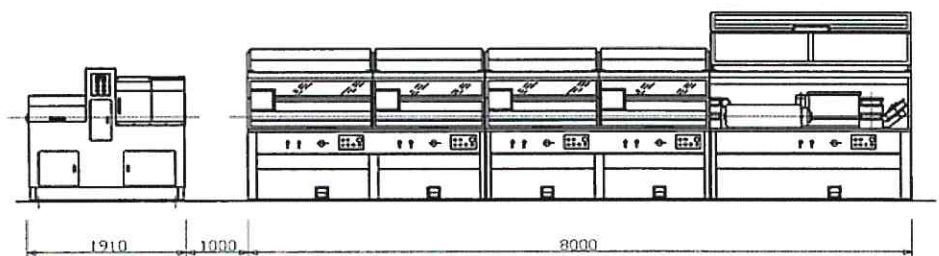
orbital abrasive sanding machine  
 (mod. SBH80) +  
 coating unit  
 (mod. LC300) +  
 drying unit  
 (mod. DU200Z)

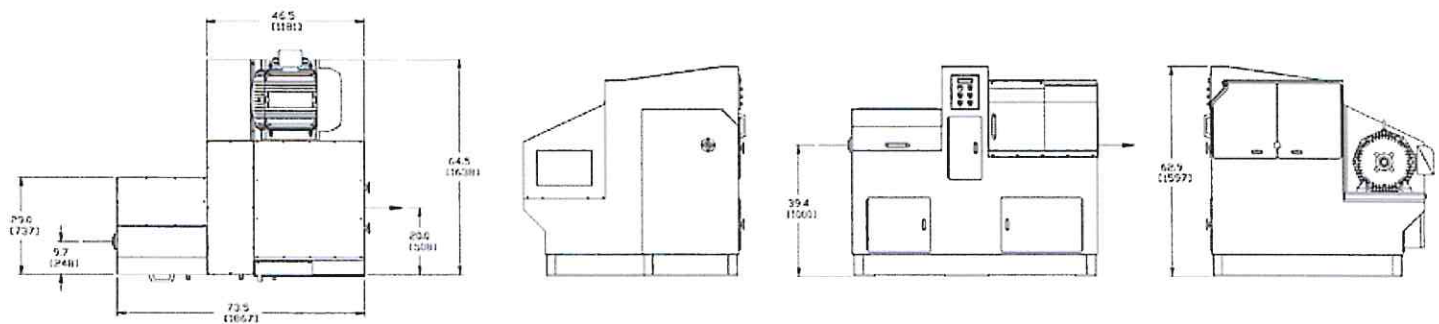


mechanical descaler  
 (mod. MD60E)  
 orbital abrasive sanding machine  
 (mod. SBH81) +  
 coating unit  
 (mod. LC300) +  
 drying unit  
 (mod. DU200Z)



orbital abrasive sanding machine  
 (mod. SBH80) +  
 drawing machine





## TECHNICAL SPECIFICATIONS

Wire rod diameter range	5.5 mm - 8.5 mm (0.216" - 0.335")
Wire rod inlet speed	up to 5.0 m/s (1000 fpm)
Wire rod material range	C-1006 - C1090

### REVERSE BEND DESCALER

Number of breaker rolls	4 rolls, 2 planes
Breaker roll insert material	Tungsten carbide

### ABRASIVE BELT SANDING UNIT

Abrasive belt drive motor	30 kW (40 HP) 480/380 VAC, 60/50 Hz, 3 Ph
Compressed air supply	5.5 bar (80 psi) minimum

### COATER / DRYER UNIT (Optional)

Pre-heating / drying	15 kW
Pre-coating pump motor	0.18 kW (1/4 HP) @ 7 - 10 usgpm
Coating bath stirring motor	0.55 kW (3/4 HP)
Coating bath immersion heaters	20 kW
Compressed air supply	5.5 bar (80 psi) @ approx. 30 - 40 scfm

### DUST COLLECTION AND SEPARATION EQUIPMENT (Optional)

Dust collector motor	5.5 kW (7.5 HP) 480/380 VAC, 60/50 Hz, 3 Ph
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