



PRECISION, CLEAN, FAST

SOCO NON-FERROUS MATERIAL CUTTING MACHINE
MAKE YOUR PRODUCTION SMOOTH & EASY



050105.01E
May01,2005



HHS-610NFA-NC

Numeric Control, High Precision, High - Speed
For Various Extruded and Non-extruded Profiles, and Plates.



- High precision Cutting: Rigid structure to reduce vibration.
- Servo Controlled Material Feeding: To ensure the cutting length tolerance to be within +/-0.1mm.
- Smooth Cutting Surface: After cut-off and before the saw blade returns, the finished work-piece moves forward and the raw material moves backward. Therefore, no knife scratch is left on the work-piece to ensure a smooth cutting surface.
- Touch Screen for easy operation and learning.
- High Power Output: High speed cutting and designed for mass production.

Item	Spec	
Cutting Capacity		410mm Width X 120mm Height
		ø120mm X 3 Bar
		190mm Height X 410mm Width
		410mm Width X 150mm Height
		ø190mm X 2 Tube
Material Feed	By Electrical Servo, one Stroke 400mm	
Cutting Speed	Infinitely Adjustable	
Main Motor	AC 15HP/4P	
Saw Blade	TCT Blade ø450mm - ø610mm, Bore ø25.4	
Arbor RPM	Standard 1740 RPM / 2780 RPM, with Inverter 1500-4800 RPM	
Cooling System	Air-Oil Mist System	
Hydraulic System	AC 3HP/4P 20L/20L Twin Pump (With Pressure 30-50 kg/cm ²)	
Dimension	165 X 120 X 198 (cm)	
Weight	3000 kgs	
Optional Accessories	1. Chips Vacuum Collector	
	2. Power Inverter for Arbor Speed Change	
	3. Two Meter Roller Stand	

* Due to continuous improvements and designs; the manufacture reserves the right to modify c



HMC-600NFA-NC+MU4

Numeric Control, High Precision, High - Speed, with Loading Magazine
For Bar, Tube, Various Extruded and Non-extruded Profile etc.



- High precision Cutting: Rigid structure to reduce vibration.
- Servo Controlled Material Feeding: To ensure the cutting length tolerance to be within +/-0.1mm.
- Smooth Cutting Surface: After cut-off and before the saw blade returns, the finished work-piece moves forward and the raw material moves backward. Therefore, no knife scratch is left on the work-piece to ensure smooth cutting surface.
- Touch Screen for easy operation and learning.
- High Power Output: High speed cutting and designed for mass production.
- With MU4 Loading Magazine, a fully Automatical Production Line, saving man power & increase the production rate.
- With discharge convey unit WDC05, the working piece after cutting will be sent out automatically. The first crop & end crop will be also sent out and separated automatically.

Item	Spec	
Cutting Capacity	●	ø120 mm
	○	ø204 mm
	□	175 X 175 mm
	▭	175 X 200 mm
	⊗	multiple ø60 mm X 4
Material Feed	By Electrical Servo, one Stroke 500mm	
Cutting Speed	Infinitely Adjustable	
Main Motor	AC 15HP/4P	
Saw Blade	TCT Blade ø400 mm - ø610 mm, Bore ø25.4	
Arbor RPM	Standard 1740 RPM / 2780 RPM, with Inverter 1500-4800 RPM	
Cooling System	Air-Oil Mist System	
Hydraulic System	AC 3HP/4P 20L/20L Twin Pump (With Pressure 30-50 kg/cm ²)	
Dimension	200 X 185 X 185 (cm)	
Weight	1500 kgs	
Optional Accessories	1. Chips Vacuum Collector	
	2. Power Inverter for Arbor Speed Change	
	3. Working Piece Discharge Convey Unit WDC 05	

Specification of Magazine MU4	
Loading Min. length	2000mm
Loading Max. length	4000mm
Storage space (*)	Standard 5 storage slots, each suitable for 130mm width material and under
	Standard 4 storage slots, each suitable for 160mm width material and under
	Standard 3 storage slots, each suitable for 208mm width material and under
Transfer Motor	AC 1/4 HP
Max. loading weight	2500 kgs
Size	4500 X 2000 X 1050 (W X D X H)



MC-360NFA-DR / MC-360NFA-NC

Fully Automatic, High Precision, High Speed
Circular Sawing Machine for Bar, Tube, and Various Profiles etc.



- High Precision Cutting: Rigid structure to reduce vibration.
- Digital Read-Out: Digital screen displaying cutting length for easy adjustment. (DR Type)
- Touch Screen: For easy setting easy operation. (NC Type)
- Specially Designed for Easy & Fast Clamping Jaw Change.
- Suitable for Cutting: Aluminum, Brass, Copper, PVC, Carbon Fiber etc.
- Customizable Main - Motor Speed, Blade Selection, Cooling and Lubrication Systems. Based on the Cutting Material.

Item	Spec	
Cutting Capacity	●	ø90 mm
	■	175 X 50 mm
	○	ø110 mm
	⊠	ø25.4 mm X 4 PCS
Feeding Length	DR type: 6~600 mm, (Up to 3 time feeding. Total 1800 mm)	
	NC type: 6~550 mm, (may be many strokes)	
Cutting Speed	Infinitely Adjustable	
Main Motor	5 or 7.5 HP, based on the order	
Saw Blade	TCT Blade ø355mm, Bore ø25.4	
Arbor RPM	Standard 3500RPM. with Inverter 1500~4800 RPM	
Cooling System	Auto-circulating Cooling System or Air-Oil Mist System	
Pressured Air	6 Kg/cm ² , 2500NL/min	
Dimension	200x110x165 (cm)	220 x 160 x 193
Weight	800kgs	
Optional Accessories	1. Chips Vacuum Collector	
	2. Power Inverter for Arbor Speed Change	



MC-250NFA-NC

Numeric Control, Mass Production, High Precision
For Small Tube & Bar Cutting in Bundle



- Super high spindle RPM, suitable for fast & precision cutting.
- Special clamping vise, suitable for tube cutting in bundle.
ø6mm tube, cut 28 pieces at one time, making its production rate incomparable.
- Totally enclosed design, ensuring safety and environment protection.
- Touch screen for easy operation and learning.

Item	Spec	
Cutting Capacity	●	ø25 mm
	○	ø50 mm
	▼	ø6 mm X 28 pieces
Material Feed	By Electrical Servo, one Stroke 450mm	
Cutting Speed	Infinitely Adjustable	
Main Motor	AC 3HP/2P	
Saw Blade	H.S.S. Blade ø250mm, Bore ø25.4 or ø32	
Arbor RPM	Standard 6000 RPM, With Inverter 2000-6000 RPM	
Cooling System	Air-Oil Mist system	
Pressured Air	6 kg/cm ² , 2500NL/min	
Dimension	165 X 120 X 198 (cm)	
Weight	600 kgs	
Standard Accessories	1. Two Meter, Tube Inlet Roller Stand. (RTI-02)	
	2. Package Hand Tools with Box	
Optional Accessories	1. Electrical Power Inverter (3kw)	
	2. Four Meter, Tube Inlet Roller Stand. (TRI-04)	

* Due to continuous improvements and designs; the manufacture reserves the right to modify or make any changes of all models without notice.



Complete Solution for Aluminum Cutting



Tube Cutting

Tube Bending

Tube Ends Chamfering

Tube End Forming

Aluminum Cutting

HSS Saw Blades

Saw Blade Grinding



SOCO MACHINERY CO., LTD.

NO.3, JINGKE E. RD., NANTUN DIST., TAICHUNG CITY 40852, TAIWAN

TEL : 886-4-23591888

FAX : 886-4-23592386

E-MAIL : sales@soco.com.tw

www.soco.com.tw

TUBE BENDER • LASER TUBE CUTTING • TUBE CUTTING MACHINE • TUBE END FINISHING • SAW BLADES