



## 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 500mm  |
| 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 <sup>2</sup> )  |
| 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



# 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            | ICT 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 <sup>2</sup> ) |                     |
| 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)   |

make any changes of all models without notice.



# 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     | ● $\varnothing 90$ mm  |
|                      | ■ 175 X 50 mm  |
|                      | ○ $\varnothing 110$ mm   |
|                      | ⊠ $\varnothing 25.4$ mm X 4 PCS  |
| Feeding Length       | DR type: 6-600 mm, (Up to 3 time feeding, Total 1800 mm)<br>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 $\varnothing 355$ mm, Bore $\varnothing 25.4$  |
| 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 <sup>2</sup> , 2500NL/min  |
| Dimension            | 200x110x165 (cm)   |
| Weight               | 800kgs   |
| Optional Accessories | 1. Chips Vacuum Collector<br>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,  $\phi 6$ mm 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     | ●   | $\phi 25$ mm            |
|                      | ○   | $\phi 50$ mm            |
|                      | ☒   | $\phi 6$ 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 $\phi 250$ mm, Bore $\phi 25.4$ or $\phi 32$ |                         |
| Arbor RPM            | Standard 6000 RPM, With Inverter 2000-6000 RPM            |                         |
| Cooling System       | Air-Oil Mist system                                       |                         |
| Pressured Air        | 6 kg/cm <sup>2</sup> , 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)          |                         |

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## Complete Solution for Aluminum Cutting



Tube Cutting

Tube Bending

Tube Ends Chamfering

Tube End Forming

Aluminum Cutting

HSS Saw Blades

Saw Blade Grinding



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