

Mega3-3D



Heavy Duty Fiber Laser Tube Cutting Machine

Mega series



Automation

Automatic Loading And Unloading

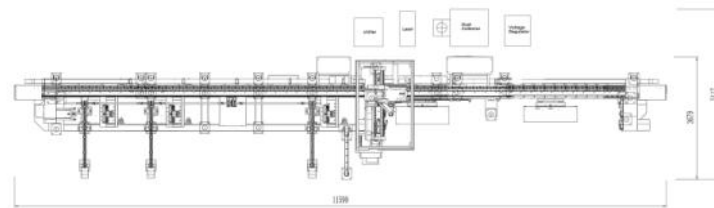
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Zero Scrap

Bevel Cutting

±45°

The Mega3-3D is a premium machine designed for cutting oversized, overweight, and extra-long tubes. It features an advanced 3-chuck setup with integrated bevel cutting, delivering superior tube processing capability. Equipped with a chain-type loading mechanism and a floating flip unloading system, it enables automated handling of heavy tubes, greatly boosting processing efficiency.



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Website

Youtube

Three-chuck For Flexible Cutting

- The Mega3-3D is equipped with three precision pneumatic chucks, all of which can move independently. This grants it extremely high flexibility in tube processing, enabling it to meet the rigorous challenges of cutting and machining heavy-duty tube components.



Automatic Loading And Unloading

- The Mega3-3D integrates chain-type automatic loading technology and a floating flip-type unloading system, specifically designed for heavy-duty tubular components. It combines high efficiency, stability, and broad compatibility with various tube profiles.



Comprehensive Safety Protection Design

- The Mega3-3D prioritizes an open equipment design for automated loading and unloading, ensuring smooth material flow. It incorporates comprehensive safety protection measures, thereby creating a work space that is both flexible and fully secure.



Bevel Cutting

- The Mega3-3D is equipped with a tilting cutting head and a bus-based fscut5000a control system. Adopting a flexible three-chuck processing mode, it demonstrates exceptional capability for bevel cutting of tubular components in any spatial orientation.



Technical Parameters

Mega3-3D

Processing tube Specifications	Round Tube: Ø20mm-350mm Square Tube: 20mm*20mm-350mm*350mm
Maximum Length Of Processing Pipe	6000mm
Maximum Acceleration	0.5 G
Maximum Positioning Speed	60m/min
Positioning Accuracy	±0.05mm/m
Power Range	3000w~12000w
Range Of Loading tube Lengths	3500mm-6000mm
Maximum Static Load Capacity For A Single Tube	1.0t
Specifications For Automatic Loading tubes	Round Tube: Ø20mm-350mm Square Tube: 20mm*20mm-350mm*350mm
Overall Weight Capacity Of The Loading Machine	3t
Maximum Length Of Unloaded Workpieces	6000mm
Maximum Rotation Speed	60r/min
Bevel Cutting Angle	±45°

※The Above Equipment Parameters Are For The Mega3-3d Model With 350 Square-hole Chucks And 6-meter Loading/unloading Capacity.