

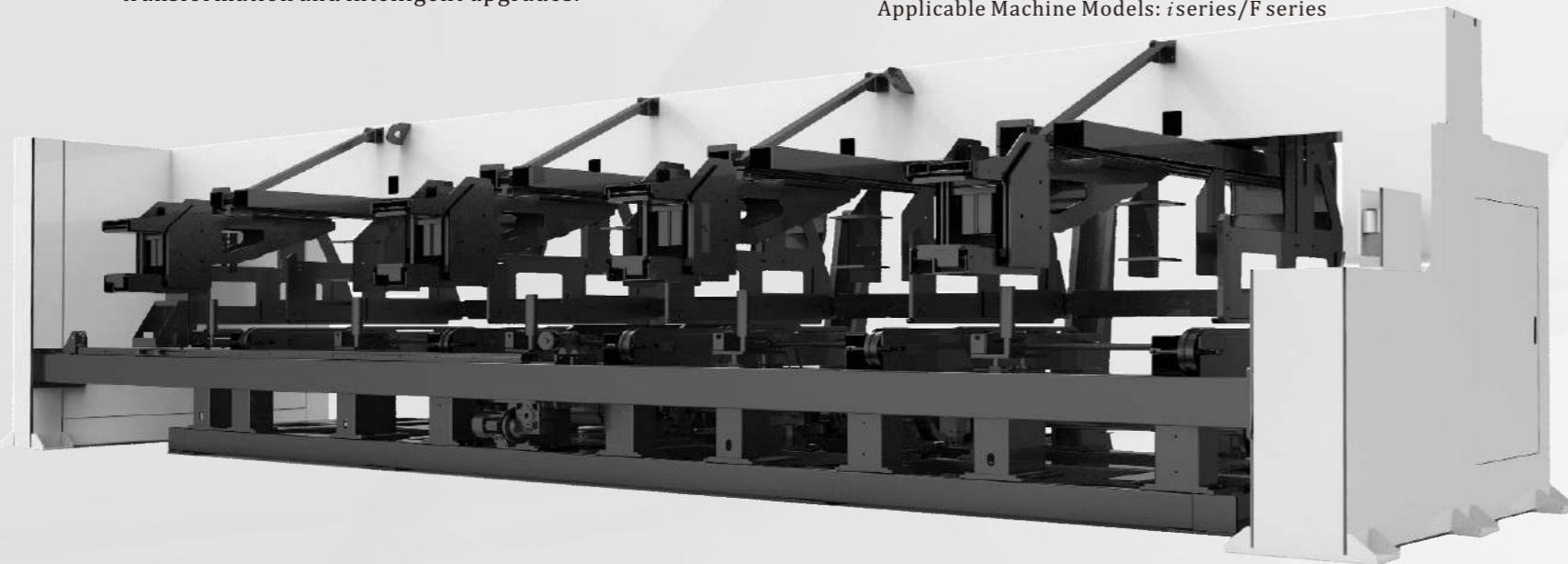
Auto Loader "A" series

Auto Loader

is used to automatically transport pipes to the laser tube cutting machine, enabling automated processing of pipes through laser cutting.

A1

The A1 series is an intelligent high-end model of fully automatic material loading machines, equipped with fully automated loading, feeding, sorting, length measurement, and feeding processes for bundling pipes. The entire material loading process is fully automated. It seamlessly integrates with Manufacturing Execution Systems (MES) to achieve real-time updating and monitoring of production data, facilitating enterprises in achieving digital transformation and intelligent upgrades.



Main Features

- ✓ **Automation:** Intelligent control modules and sensor systems support the automatic sorting, length measurement, automatic feeding, and other control functions for material loading in pipes.
- ✓ **MES System Support:** With the integration of a fully automatic material loading machine, the fiber laser tube cutting machine gains the capability to be integrated into automated production lines for pipes.
- ✓ **Diversification:** Depending on processing needs, there are various functional material loading mechanisms to choose from, including fully automatic loading machines, fork loading machines, and semi-automatic loading machines.
- ✓ **Compatibility:** Can adapt to different types of fiber laser tube cutting machine combinations.

Technical Parameters

Model:A1
Material Loading Tube Length Range:4500-6200mm
Single Tube Weight Capacity:≤200kg
Overall Weight Capacity:2.5T
Round Tube Diameter Range:Ø20-200mm
Square Tube Diameter Range:20*20-200*200mm L-H>10mm
Loading Tube Capacity:600mm*600mm*6200mm
Applicable Machine Models: *i*series/F series

Technical Parameters

Model:A2
Material Loading Tube Length Range:4000-6200mm
Single Tube Weight Capacity:≤200kg
Overall Weight Capacity:2.5T
Round Tube Diameter Range:Ø20-200mm
Square Tube Diameter Range:20*20-200*200mm L-H>10mm
Loading Tube Capacity:650mm*650mm*6200mm
Applicable Machine Models: *i*series/F series



A2

The A2 series fully automatic pipe fork loading machine is an efficient, precise, and automated material loading equipment for pipes. This equipment utilizes a fork loading method to ensure the accurate transportation of pipes, while also achieving the full automation of the loading process.

Technical Parameters

Model:A3
Material Loading Tube Length Range:5500-6200mm
Single Tube Weight Capacity:≤75kg
Overall Weight Capacity:0.5T
Round Tube Diameter Range:Ø20-140mm
Square Tube Diameter Range:20*20-140*140mm L-H>10mm
Loading Tube Capacity:140mm*140mm*6200mm
Applicable Machine Models: F series



A3

The A3 series semi-automatic pipe material loading machine is an economical and efficient equipment for loading pipes, suitable for bulk pipe processing scenarios. By pre-arranging pipes in the waiting area, and utilizing automatic sorting and feeding systems, the machine quickly and accurately transports pipes to the tube cutting machine, achieving an efficient material loading and processing process.