

AUTOMATION OPTIONS

Anti-collision system

The ACS for CraneMaster is a proprietary system developed by the Eagle engineers which protects the forks of the unloading basket from colliding with the cut parts when they are being picked up from the machine's processing table. In the event of a collision, the system will stop the CraneMaster, therefore preventing damage, and report the problem to the operator. At the same time, the laser cutter can continue cutting in order to maintain peak performance, since the system will only stop the CraneMaster.

Automatic comb cleaning

For additional safety during automatic cutting, the CraneMaster can be equipped with a slat cleaning system which sweeps the slats prior to loading a new sheet of material. The cycle time is not increased.

This option is available for CM, CML, CMS, CMSL.

NoScratch

For the CraneMaster, CraneMaster Linear, CraneMaster Store, CraneMaster Store Linear und SmartCrane systems. No Scratch almost completely eliminates scratching of the cut parts when they are being unloaded from the machining table. The CraneMaster part/remnant lifting combs are equipped with special brushes to protect the sheet metal from scratching.

Individual suction cup control

In the standard version, the vacuum cups are controlled in pairs. Independent vacuum cup control is available as an additional option. This increases the flexibility of the automation process, provides greater freedom in terms of the size and shape of the raw sheets.

Twice the number of suction cups

Having twice the number of suction cups on the CraneMaster increases the flexibility of loading metal sheets of any shape or size.



Additional conveyor

This option is available for the CraneMaster family of material handling devices. Rather than manually unloading the pallet with a crane or forklift, an additional conveyor can be used to remove the parts and residue from the CraneMaster structure for easier handling. This solution simplifies the separation and sorting of cut parts, increases productivity, and simplifies the unloading of the CraneMaster.

Additional loading / unloading stations

This CraneMasterLinear option is highly recommended for companies which need of high flexibility during the fully automated cutting process. Cut parts can be unloaded or new material loaded from this additional station. The material handling flexibility is increased.

HeavyDutyPackage

This increases the capacity of loading-unloading systems from a thickness of 25mm to up to 60 mm in fully automatic mode. It is available for CraneMaster, CraneMasterLinear, CraneMasterStore and CraneMasterStoreLinear.

Delivery

Delivery of machines (CIP)

The machines are delivered together with insurance, loading, transport, unloading and transport into the manufacturing hall (the unloading crane must be provided by the customer)

Preparation for sea transport

Preparing a machine for sea transport requires special packaging. The price of this option includes both packaging and loading the machine onto a suitable container.

Tropical version of machine

The tropical version of the machine is prepared for demanding tropical climates with high humidity, high temperatures and high dust levels.

Delivery of the automation system (CIP)

The automation system is delivered together with insurance, loading, transport, unloading, and transport into the installation location in the hall (the unloading crane must be provided by the customer).