



LogiTowerLoader - automatic sheet metal loading and unloading system:

- Collecting sheets from a stack or storage system cassette
- Loading into the laser cutting machine
- Receipt of cut elements
- Delivery of parts to the storage buffer or picking point

TIME SAVING

PERFORMANCE

IT INTEGRATION

RELIABILITY



INDUSTRY 4.0



EFFICIENT LOGISTICS



ERGONOMY



SPACE SAVING

Advanced

Basic

- integrated solution for operating one laser cutting machine with a sheet metal warehouse - takes up a small area, can be placed in a corner or against the wall of the hall
- short material replacement cycle time
- **system components:** two independently working platforms:
- loading platform suction up module (movement in the X and Y axes) with a system for separating and measuring the thickness of individual metal sheets, and delivering them to the laser cutting table. It also has the functionality of a trolley transporting cut sheets.
- unloading platform double-sided gripper module (movement in the Y axis) - picks up cut sheets (cut details and openwork) from the laser cutter and puts them on a transport trolley with a shelf located on the loading platform
- possible upgrade to the Complex version adding movement in the X axis to the unloading platform
- possible version without a storage tower putting the cut material on a pile or pallet and then collecting it with a forklift





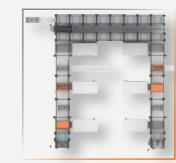




- **system dedicated** to work without a LogiTower storage tower
- system elements: only one platform equipped with two modules (a set of suction cups and double-sided grippers) responsible for loading and unloading. It has a system for seperating and measuring the thickness of individual sheets of metal
- application for fewer cycles
- **economical** and structurally uncomplicated solution



- a comprehensive system for operating multiple laser cutting machines designed for manufacturing environments requiring high efficiency and high divsersity
- very short material replacement cycle time
- system elements: two independently operating platforms (movement in the X and Y axes):
- loading platform suction cup module with a system for controlling and measuring the thickness of individual metal **sheets,** and delivering them to the laser cutting table. It also has the functionality of a trolley transporting cut sheets.
- unloading platform double-sided gripper module picks up cut sheets (cut details and openwork) from the laser cutting machine and places them on a shelf in the LogiTower storage system or storage areas with a pallet, on AGV trolleys, tables or
- cooperation with LogiTower and MultiLogiTower storage systems in order to obtain large capacity





Compact





- maximal use of space compact structure, vertical storage tower positioned above the laser cutting table
- very short metrial exchange cycle time on the cutting
- availability for various sizes of metal sheets system dedicated to work with a single laser cutter and a standard tower for lower room heights
- quick replacement of shelves with a sheet metal and cut material - possible integration with laser cutting machines from various manufacturers

Technical data

Туре	Loader 3015	Loader 4020	Loader 6020
Metal sheet size (max)	3 x 1,5 m	4 x 2 m	6 x 2 m
Metal sheet weight	900 kg	1600 kg	2300 kg
Metal sheet thickness (max)	25 mm	25 mm	25 mm



MATERIAL PROTECTION

The grippers are covered with a material that reduces the risk of scratching the sheet metal



METAL SHEETS SEPARATOR

Thin sheet separating system (magnetic/mechanical/air)

Setting options





