

ByTower

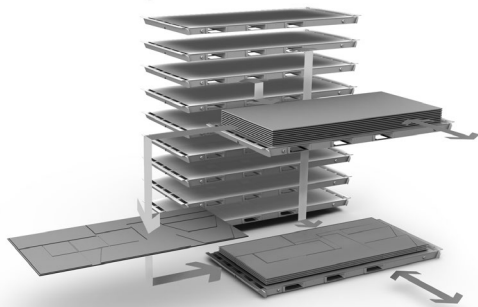
Compact storage tower for lightly-manned production

Customer benefits

- The shuttle table is automatically loaded and unloaded and the entire system significantly better utilized
- Frequently used materials are immediately available because they are stored directly next to the machine
- Lightly-manned parts production can be realized to a high degree
- The shuttle table is still freely accessible
- Extraordinarily flexible and simple to operate. The storing of raw material and removal of processed sheets is easy using a fork lift truck. The return transfer of cut sheets is automatic by the system



One cassette for raw material

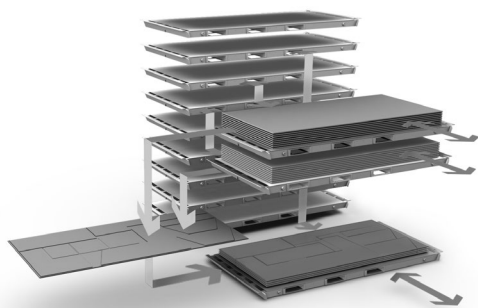


Cassette 1: raw material

Storage: cut sheets

ByTower + ByTrans 3015

Two cassettes for raw material or intermediate storage



Cassette 1: raw material

Cassette 2: raw material

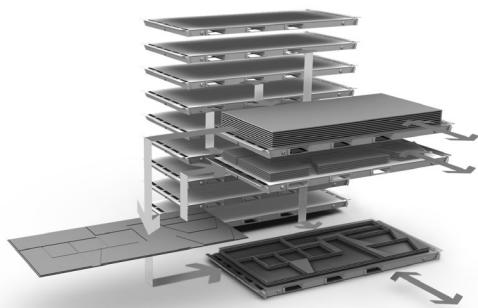
Cassette 2: intermediate storage

Storage: cut sheets

Storage: cut sheets with plastic sheet separators

ByTower + ByTrans 3015 Extended/Cross

Large part removal and intermediate storage



Cassette 1: raw material

Cassette 2: large parts storage

Storage: scrap

ByTower 3015

Nominal sheet size	3,000 × 1,500 mm
Load sheet metal thickness	0.8–25 mm
Unload sheet metal thickness	0.8–25 mm
Maximum sheet weight	890 kg
Number of cassettes	11/8/6
System height	5.6 m/4.5 m/3.8 m



ByTower Compact

Loading and unloading automation system with integrated storage tower for laser cutting systems

Customer benefits

- Compact Bystronic laser cutting solution featuring a combined loading/unloading system complete with storage tower. The system has been designed to take up as little floor space as possible
- Automated loading/unloading of cassettes, enabling unsupervised production
- Storage tower height tailored to every requirement to make optimum use of the available space
- Two different configurations to handle sheet metal stacks either with or without wooden pallets

	ByTower Compact 3015	ByTower Compact 4020	ByTower Compact 3015-P	ByTower Compact 4020-P
Nominal sheet size	3,000 × 1,500 mm	4,000 × 2,000 mm	3,000 × 1,500 mm	4,000 × 2,000 mm
Maximum sheet weight	900 kg	1,600 kg	900 kg	1,600 kg



ByTower Compact Technical Data





	ByTower Compact 3015	ByTower Compact 4020	ByTower Compact 3015-P	ByTower Compact 4020-P
Nominal sheet size	3,000 × 1,500 mm	4,000 × 2,000 mm	3,000 × 1,500 mm	4,000 × 2,000 mm
Maximum sheet metal size	3,025 × 1,520 mm	4,025 × 2,020 mm	3,025 × 1,520 mm	4,025 × 2,020 mm
Max. sheet thickness *	25 mm	25 mm	25 mm	25 mm
Load / unload approx cycle time without Fast Cycle (+N) option	180 s	220 s	180 s	220 s
Load / unload approx cycle time with Fast Cycle (+N) option	70 s	80 s	70 s	80 s
Sheet metal sizes	1,500 × 1,000 mm	1,500 × 1,000 mm	1,500 × 1,000 mm	1,500 × 1,000 mm
	2,000 × 1,000 mm	2,000 × 1,000 mm		2,000 × 1,000 mm
	2,500 × 1,250 mm	2,500 × 1,250 mm		2,500 × 1,250 mm
	3,000 × 1,500 mm	3,000 × 1,500 mm		3,000 × 1,500 mm
	3,000 × 1,500 mm	4,000 × 1,500 mm		4,000 × 1,500 mm
		4,000 × 2,000 mm		4,000 × 2,000 mm
Maximum sheet weight *	900 kg	1,600 kg	900 kg	1,600 kg
Steps between cassettes	205 mm	235 mm	355 mm	385 mm
Raw material, stacking height max. (incl. pallet) **	90 mm	90 mm	240 mm	240 mm
Raw material, stacking weight max.	3,000 kg	5,000 kg	3,000 kg	5,000 kg
Cut sheets, stacking height max. (incl. pallet) **	240 mm	240 mm	240 mm	240 mm
Cut sheets, stacking weight max.	3,000 kg	5,000 kg	3,000 kg	5,000 kg
Maximum permitted sheet sag	50 mm	50 mm	50 mm	50 mm
Supply tension	400 V	400 V	400 V	400 V
Maximum electrical consumption	24 kW	39 kW	24 kW	39 kW
Maximum nominal current	34.6 A	56.3 A	34.6 A	56.3 A
Mains frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Pressure	6 bar	6 bar	6 bar	6 bar
Compressed air consumption (max)	900 nl/H	900 nl/H	900 nl/H	900 nl/H

* 3015: In case of anti scratch belts adoption, the max sheet thickness is 15mm and its weight is 540 kg.

4020: In case of anti scratch belts adoption, the max sheet thickness is 15mm and its weight is 960 kg.

** 3015/4020: Maximum height for a stack of sheets is 90mm, the rest can be used for pallet.

The right to make changes to dimensions, construction, and equipment is reserved. ISO-9001-certified.

The technical data can vary in the different countries, according to local security rules and configuration of the machine.