



KASTOcenter compact

Sawing centre with automated pre-processing in a small space: compact, modular, automated.



The Challenge

When limited space, staffing constraints and product variety converge

Typical challenges in well-established sawing and material flow processes.

Insufficient space: The workshop space offers little room for additional equipment.

Stand-alone solutions: Storage, sawing, unloading and downstream processes are not seamlessly integrated.

High staff involvement: Employees are occupied with tasks involving storage, transportation and handling.



Time-consuming manual tasks: Locating, transporting, and placing material by the saw.

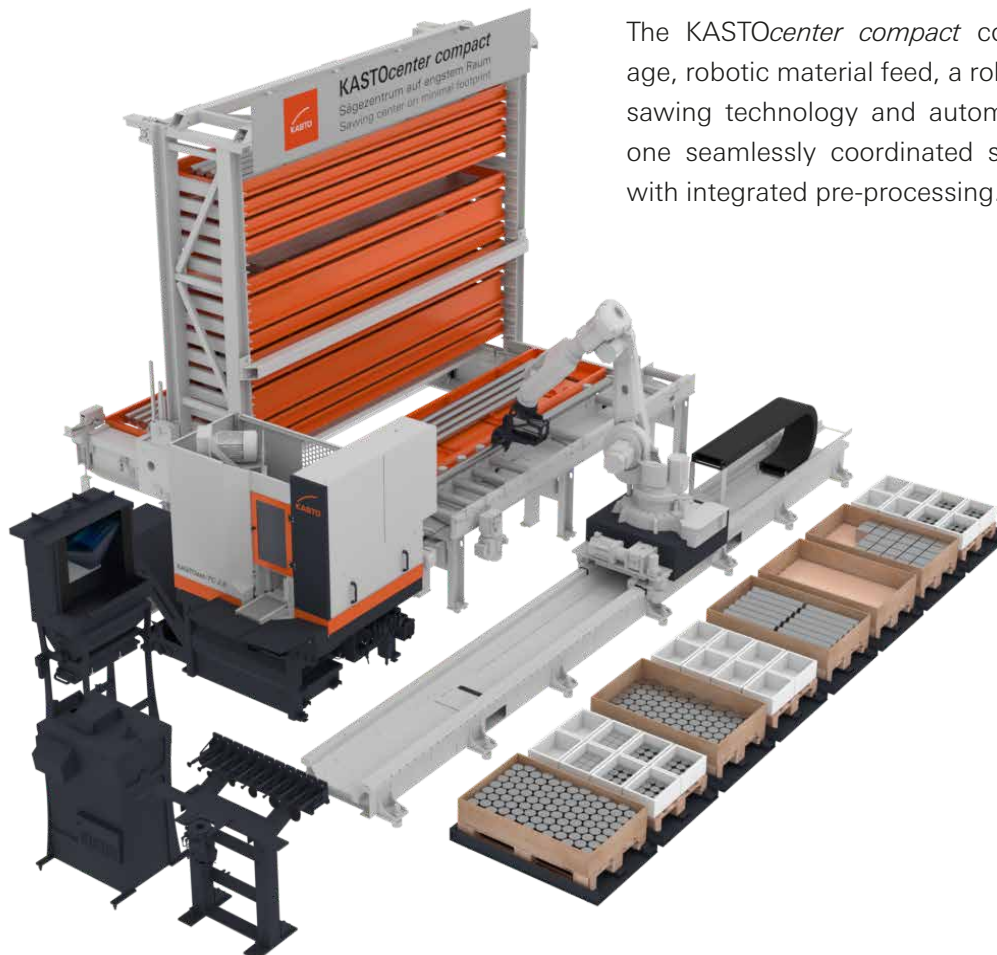
Non-productive time: Waiting times and frequent changeovers negatively affect productivity and machine utilisation.

Large-scale systems are not suitable: Traditional centralised systems would be too large and complex for the requirements and production volumes.

The Solution

Sawing centre rescaled: *KASTOcenter compact*

New possibilities for a high degree of product variety and small to medium volumes.

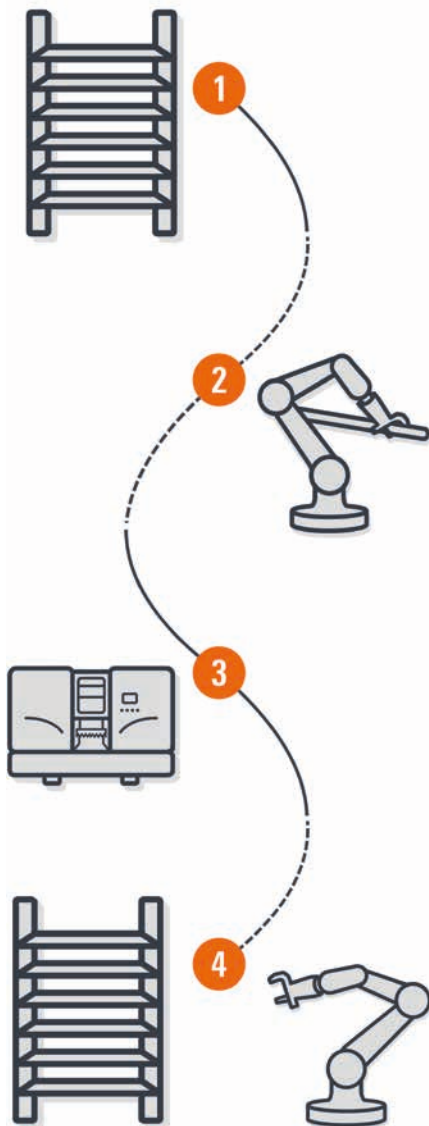


The *KASTOcenter compact* combines tower storage, robotic material feed, a roller conveyor, tailored sawing technology and automated unloading into one seamlessly coordinated system - expandable with integrated pre-processing.

One system. Countless possibilities.

Fully automated material flow. From material to fully prepared part.

KASTOcenter compact is not just a standard off-the-shelf system. It can be customised specifically for the product range, quantities, materials, capacity, available floor space, and downstream process requirements.



1 KASTO tower storage

KASTOecostore or UNITOWER - depending on capacity and height requirements.

Save space & supply material on demand

2 KASTOpick

Automated material separation and reliable transfer to the next station.

Reduce handling & ensure process reliability

3 KASTOload roller conveyor + saw

Flexibly combinable with various saw models – for example, the KASTOssb vertical bandsaw. Can also be used with the KASTOvario-speed automatic circular saw.

Sawing technology tailored to materials & cycles

4 Robotic handling KASTOsort

KASTOsort handles the automated removal and targeted storage of the sawn sections – back into the tower, onto separate pallets, into a pallet carousel or into an additional tower storage area. Depending on requirements, the parts are sorted, stacked, palletised or picked.

Deburring, blow-off cleaning, cleaning, measuring and laser marking can also be integrated directly into the process.

Post-processing integrated as required and automated sorting

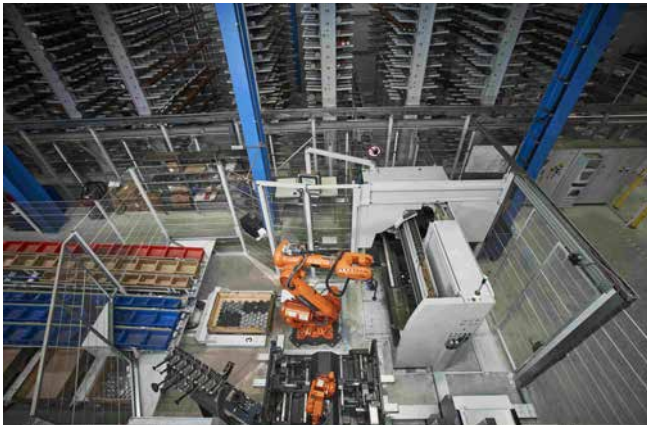
Key factors for increased material flow performance:

- » **Maximise use of space:** Vertical storage, coordinated transfers, and compact design create a seamless material flow within a small footprint
- » **Decrease non-productive times:** Material is supplied as needed, transferred automatically and clearly assigned to each order.
- » **Integrate pre-processing:** Deburring, blowing off, cleaning, measuring, and laser marking can be integrated into the process as optional functions.

KASTO - Saws. Storage. And More.

Expertise right down the line

For large storage needs: The *KASTOcenter* sawing centre with cantilever racking



Storage technology in action: Hagelauer Dewald uses fully automated technology to saw small batch sizes. The *UNICOMPACT* storage system stores material and supplies the *KASTOcenter* fully automatically; ideal for speedy cuts, small batch sizes, and flexible delivery.

For more references including this one, visit www.kasto.com/reference_sawing_center



Philipp Harter, Technical Sales Manager

Explore your automation potential

Together, we analyse your product range and storage and material flows, along with the requirements for performance, floor space, and downstream processes. This enables us to quickly identify the sawing centre that offers the right automation solution for your needs.

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