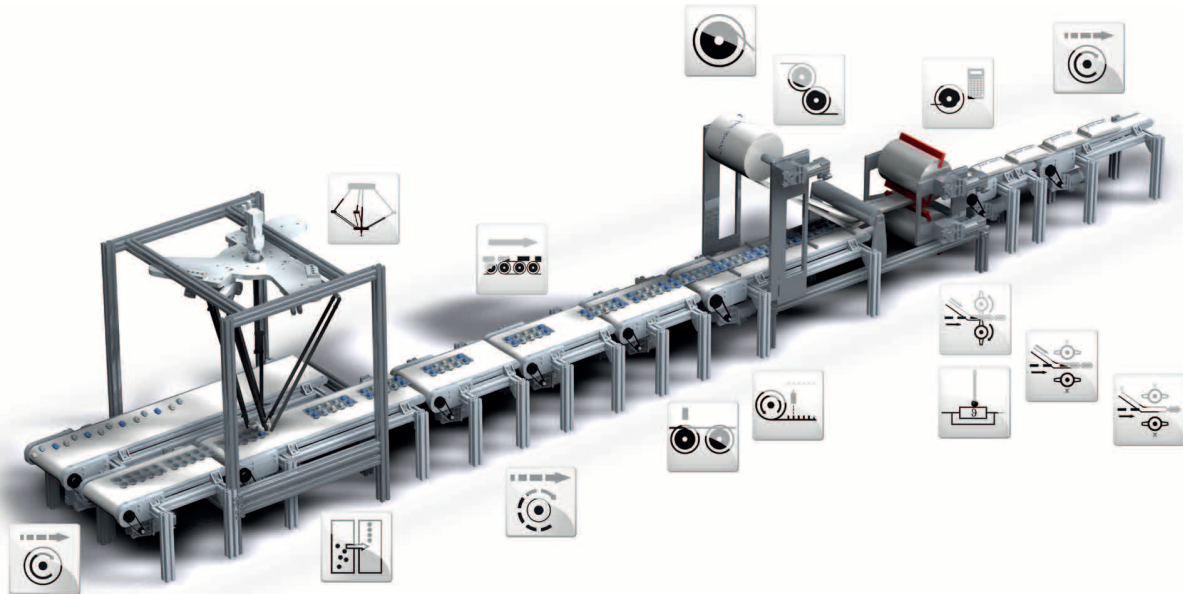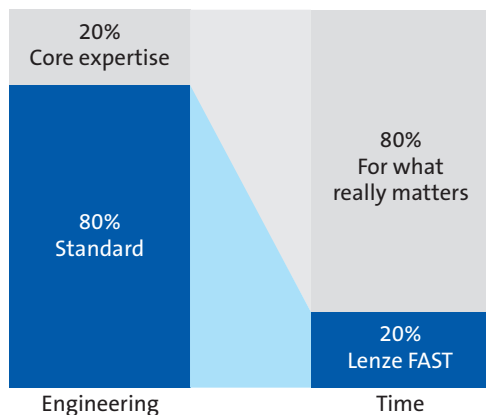FAST
Application Software

The easy way to develop something special.

Software is becoming increasingly important in developing machines as mechanical engineers focus more attention on efficient processes for creating the applications they need. Lenze's standard software modules make it easy to develop modular mechanical control by simply adding the modules using the application template.

Highlights

- Up to 80% of software engineering requirements are covered by Lenze's FAST
- Significant reduction in development times for basic functions
- The time saved here can be invested in further developing the machine's special features.
- Pre-configured and tested software modules that are easy to re-use
- Structured programming layout via the application template
- Error reduction thanks to tested software

20%
Core expertise

80%
Standard

80%
For what
really matters

20%
Lenze FAST

Engineering

Time

Lenze

The modules for your machine

Modular programming

When using FAST, automation specialists can work the way they are used to – with a basic architecture. The functions are enclosed in the individual modules.

The modules are autonomous and can easily be exchanged and tested completely independently. This makes engineering fast, easy and reliable.
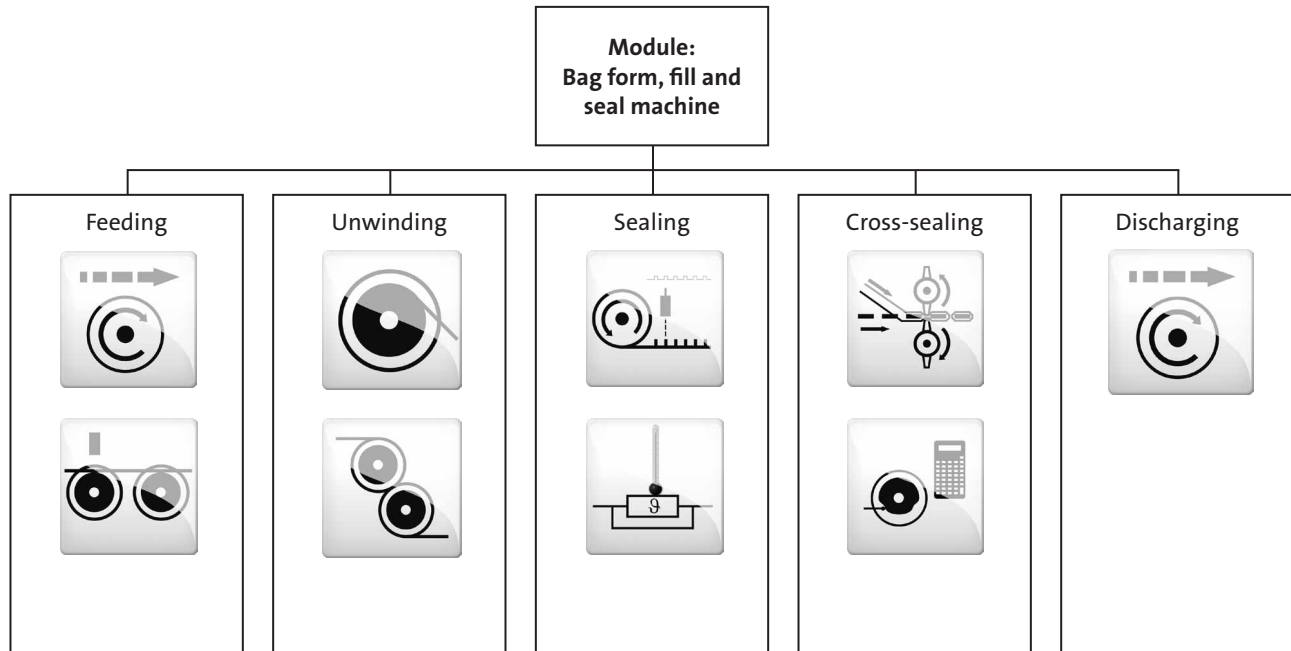
Lenze FAST for:

Electrical shaft	Synchronization of axes with precise speed and positioning
Winder	Winding and unwinding, with and without sensor or dancer
Tension control	Tension control, with adaptive PI controller
Virtual master	Virtual master shaft of the machine
Register control	Register control with pressure-mark detection
Flex Cam	Flexible management of curves created online and offline
Temperature control	Intelligent temperature control for the production process
Cross-sealing/cutting	Cross-sealing and cross-cutting of products
SmartTrack	Single-step conveyors for establishing correct product spacing
MagicTrack	Multi-chain control for grouping and further packaging of products
Pick&Place	Creation of Pick&Place profiles for static or moving products
Transformations	Map and integrate non-linear kinematics (robots) with ease
Flying saw	Cutting of workpieces as they pass through
Motion control	Basic functions of the axis: jogging, positioning, homing and diagnostics

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