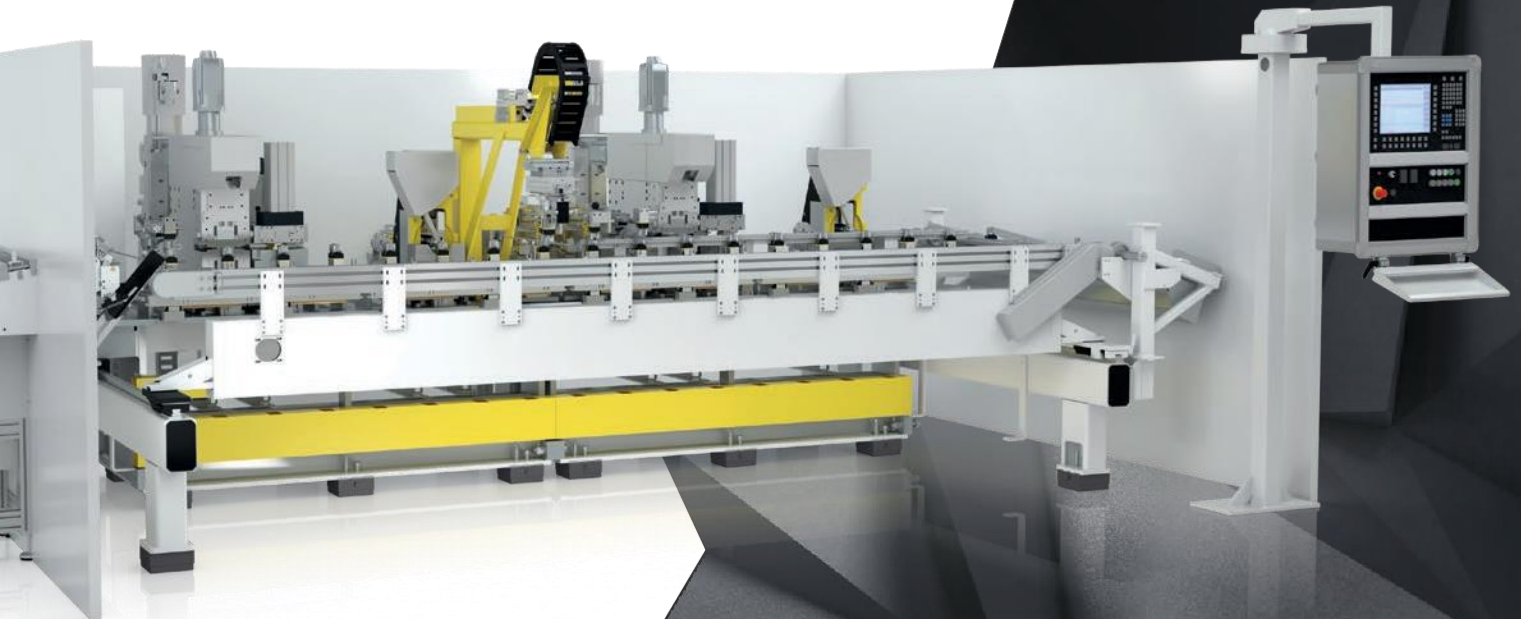


FELSS

The smarter way of forming.

END MACHINING

THE FELSS MEC MACHINES



FLEXIBILITY MEETS PRECISION

Thanks to their modular design, Felss end machining machines offer a high degree of flexibility in pipe end machining and assembly of components on the pipework.

Customised arrangement, speed and precision in the process result in end machining at the highest level. It is possible to link other production processes such as bending or washing to create an overall concept.

www.felss.com

MEC END PROCESSING MACHINES

ABOUT THE MACHINES

The **Modular Endforming Centres MEC** are available in single and multi-stage versions: as MEC single with just one processing station, e.g. for single or small batch production, or as MEC compact with 2-3 processing stations. Used for small and medium, but also for but also for large series production. In addition, the MEC speed offers almost any number of stations. The modular design allows an almost freely selectable arrangement of the stations, which can be optimally adapted to

customer requirements can be customised. Subsequent extensions can also be realised. The systems in the MEC-speed series are fully automated and can be set up in different layouts. For example, in line, for continuous production or in a U-shape to keep the input and output sides the same. They are typically used in medium and large-scale series production.

PROFILE

Machining units

- Impact/lubrication
- Chamfering/flattening
- Decoating
- Brushing
- Push on sleeve/nut
- Upsetting (single/multiple)
- Roller burnishing
- Optical testing

- Labelling (laser/ink/needle marker)

Areas of application

- Petrol and diesel injection lines
- Brake and clutch lines
- Air conditioning pipes
- Stainless steel low pressure lines
- Stainless steel exhaust pipes

Possible component sizes

- Free tube length: from 100 - 6,000 mm
- Workpiece diameter: 3.2 - 12 mm

Advantages

- For single part, small, medium and large series production
- Available in manual, semi-automatic or fully automatic versions
- Precise part positioning thanks to continuous part clamping
- High repeat accuracy thanks to solid and precise processing stations
- For complex tube end shapes
- Subsequent expandability of the system layout (*with MEC compact and MEC speed*)
- Minimised downtimes thanks to short changeover times
- Maximum output of up to 40 parts/min
- Short process times and high component accuracy
- Simple set-up and management of component programmes
- Visual support during retooling

MACHINE TYPES OF THE MEC FAMILY

MEC SINGLE

- Single part and small series production
- Standard units from the MEC speed series



MEC COMPACT

- From small to large series production
- Standard units from the MEC speed series



MEC MULTI

- From small to medium series production
- Clamp once / machine up to 8 times



MEC SPEED

- Large series production
- Customised and fully automatic



THE PROCESS: END MACHINING

End machining from Felss combines short set-up times with maximum precision - for high-density components.

What characterises the machines in addition to these attributes is the individual design of the systems to meet the requirements of the line. Forming, rolling, marking, testing - the machines have a modular design and can be expanded to include the necessary stations and process steps. The integration of upstream or downstream systems is also successfully realised.

Whether a single machine for manual feeding or a fully automated system, the machines are a complete solution - one thing is certain: quality, output and process reliability take centre stage.

The machines are also equipped with remote diagnostics and optional machine data acquisition.



GET TO KNOW SOME OF THE ADDED VALUES OF OUR END PROCESSING MACHINES:



FASTER

short set-up times thanks to quick-change system



MORE PRECISE

Robust and precise units



RESOURCE EFFICIENCY

Durable and virtually wear-free operation

FELSS

The smarter way of forming.

EXCERPT OF POSSIBLE PRODUCTS



Common rail lines



Fuel lines



Brake lines

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