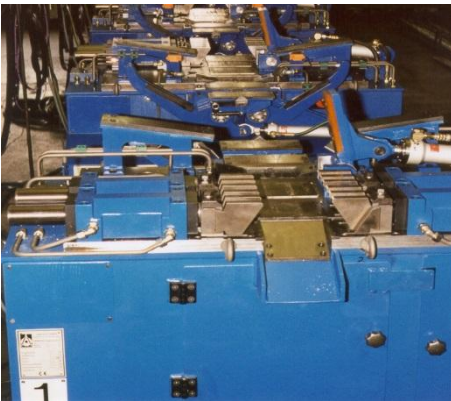
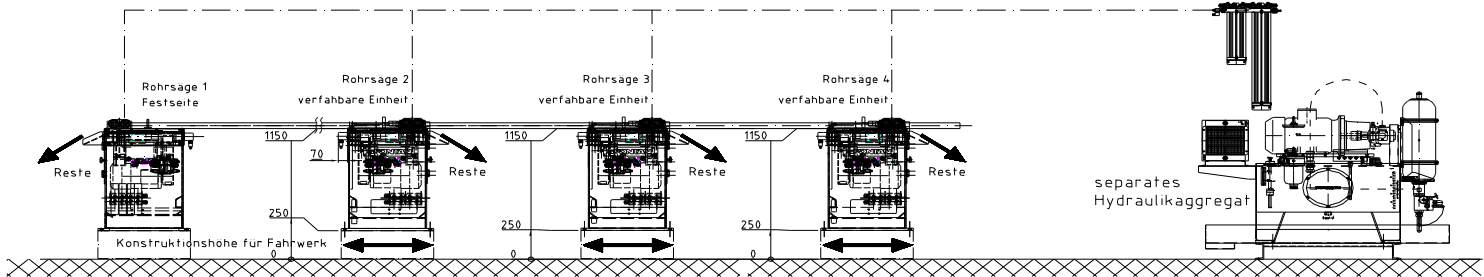


MinimalMengenKühlSchmierSystem MMKS-DUO in Netzwerkversion



1. Application

For cutting pipes, profiles and solid material in modern pipework manufacturing lines, optionally as multiple separation and end-cut units. Special areas of application are single - triple multiple cut systems after drawing benches and straightening machines or in finishing lines.

2. System description

The saw cut is made from the bottom up, so that there is still enough space above the saw unit for feeding on the system side. These can be designed either as transverse conveyance (e.g. insertion lever for input/output) or longitudinal conveyance (e.g. roller conveyors). The processing lengths are either horizontally or vertically fixed using appropriate clamping mechanisms which can be designed with proportional pressure control. A hydraulic feed cylinder with proportional valve control takes care of the saw stroke motion. Incremental or absolute rotary encoders are provided for saw stroke limitation. The Spontan saw gearboxes have **low backlash < 0.04°** and are mounted integrated into the machine column.

3. Workpieces

Pipes and profiles	: Ø 10 - Ø 120 mm
Wall thicknesses	: 0,75 – 12,00 mm
Quantity	: single - up to Ø 120 mm
	: full material – on demand
Materials:	: steel, stainless steel, non-ferrous metal, etc.
Material strengths	: up to 1400 N/mm ²

4. Tools

Saw blades	: HSS coated / HM tipped
Saw blade Ø	: 315 - 500 mm
Saw blade width	: 1.6 - 4 mm
Mount Ø	: according to customer requirements



5. Model and drive power

Type 315

Saw blade Ø : 200 - 340 mm
Drive power : up to max. 10,5 kW
Gear ratio : 1.2 - 26.8

Type 400

Saw blade Ø : 275 - 450 mm
Drive power : up to max. 11 kW
Gear ratio : 7.8 - 27.65

Type 450 / 500

Saw blade Ø : 275 - 500 mm
Drive power : up to max. 18 kW
Gear ratio : 9.3 - 17.35

6. Equipment features and components

Precise saw cuts with high output thanks to solid and sophisticated design
High availability due to service-oriented conception
Machine column with swarf tray or hopper channel for swarf removal via scraper belt
Suitable for transverse and longitudinal transport
Clamping with prism or moulded jaws
Central clamping for roller conveyor feeding
Cutting gap expansion for HM saw blades
Sawing from the bottom up
Infinitely variable speed
Zero-backlash saw gearboxes in swivelling design
Infinitely variable saw feed via prop. valve technology
Infinitely variable clamping pressure via prop. valve technology
Saw blade attachment with central clamping screw
Special designs for customer-specific modifications

7. Accessories available as an option

Saw blade mounts according to customer requirements
Hydraulic clamping nut for saw blade attachment
Pulse generator modules
MMKS systems microlube Advantage / Net
Hydraulic units
Prism and moulded clamping jaws made of ampcu
and lots more...

Versatile options for customer-specific machine customisation