Automation – low personnel-intensive operation

The SECURFLEX safety system allows every device to be secured individually, depending on the environment and requirements. Besides grids, maintenance and door elements, the system offers a laser light lock for extented safety, especially in the area of material feeding and removal in the machining centre.

Personnel are the most valuable part of every business and must be protected in compliance with current safety criteria. The SECURFLEX safety system allows every device to be secured individually, depending on the environment and requirements. Besides grids, maintenance and door elements, the system offers a laser light lock for extensive safety, especially in the area of material feeding and removal in the machining centre.

Material removal

Automatic saws and material removal units, individually adjusted cuttings are performed in low personnel-intensive operations.

Material supply

Various possibilities of automatic material feeding are available for individual cutting tasks. From simple transverse material holders and or separation, with the connection to storage systems, a wide range of extensions is available for individual adjustment to particular cutting.

Material removal

Simple, uncomplicated data transmission from programming of cut sizes or a programming device using flash disks directly to the control memory.

Production Series – Accessories

Remote diagnostics and maintenance

The device securing is further divided into safety circuits to prevent operation interruptions in areas not affected by the X system for extensive safety, especially in the area of material feeding and removal in the machining centre.

Follow-up processes of further processing, such as deburring, demagnetising, or robotic systems, a wide range of extensions is available for individual adjustment to particular cutting.

Material removal

Possible light waves of hydraulic/electric heating systems are available for individual cutting tasks. From simple transverse material holders and or separation, with the connection to storage systems, a wide range of extensions is available for individual adjustment to particular cutting.

Material supply

For cleaning bearing surfaces or for regular rinsing of chips collected in the chip tank.

Material removal

A highly flexible handling solution for difficult tasks. A unique system of probes allows the probing of holds in the X system to be individually adjusted. Following hydraulic/electric heating systems are available for individual adjustment to particular cutting.

Material supply

• Multiple material holders with integrated material transport with connection to storage systems
• Provide cutting edges in order to utilise the full cutting capacity of the saw
• Microprocessor controlled centrally from the control panel
• Data transmission between the controlling centre and existing storage systems
• Simple systems for material removal or separation, with belt belt transport
• Follow-up processes of further processing, such as deburring, demagnetising, and cleaning

Material removal

Non-destructive probe system for testing of work pieces. It detects whether work pieces have been properly cut or not. The results are compared to the expected values, and the control system stops the machine operation shall be stopped.

Material supply

The control is equipped with a computer with various software options and automatic programme cut sizes.

Material removal

The main clamping vice and material feeder clamping vice are equipped with vertical clamping units.

Material supply

The device is recommended especially for longitudinally cut pipes and profiles.

Material removal

A packet for a higher output of the main engine for specialty food materials.

Material supply

Sensitive regulation of the clamping pressure is available for any material and cut size.

Material removal

The control is equipped with a data-transmission device for extended use and modified guiding.

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Material feeding with innovation

The material feeding system of the Production series is designed to provide the highest degree of precision in sawing. Thanks to a hydraulically actuated roller track, the saw bands are pushed to the various sawing motivations if necessary. The roller track is automatically reset after the material is inserted into the sawing area. The saw bands can be fed either hydraulically or manually with a hand tool.

Through roller track

The 750 mm hand feeding in manual is a robust and highly efficient feed solution for the saw bands. The roller system is wear-resistant and ideal for heavy-duty sawing.

Preloaded guiding

Tolerance-free feeding is used with preloaded guiding. The guiding is the basis for the permanent quality of the cuts - especially when using the EPCCon1 system.

Adjustable

An adjustable discharge chair on the material-off-take side ensures simple material handling.

Control technique for optimal productivity

With the application of modern control techniques, Production series saw bands are flexible and verifiable regarding their use, and are yet easy to control. Thanks to the modular control system, the Production series' machine availability can be used in various peripheral cutting centres. The controls are multi-functional and yet simple to operate. With e.g. the ESA system individual cuts are little time-intensive. The process of individual cuts is reduced to the material insertion into the feeding area and uncomplicated programming of the cutting length. Cutting reports and maintenance reports are sent to competent personnel.

Extension possibilities

- Band guide for ergonomic cutting
- ESA system for automatic positioning of the machine according to material classes
- USB port for transmitting data from pre-programmed systems
- Rainproof design and maintenance for fast, uncomplicated processing directly from the workshop
- SDA system for material feeding

With the ESA system individual cuts are less time-consuming. The process of individual cuts is reduced to the material insertion into the feeding area and uncomplicated programming of the cutting length, to the material thickness and also to the material shape. Material handling is facilitated with an easier control and programming. Cutting reports and maintenance reports are sent to competent personnel.

EPCCon1 system – preliminary selection of material classes

The control is equipped with a database of various material classes and appropriate cut-out, cutting resistances, and material feeding. Settings are displayed on a swivelling display.

Remote diagnostics and maintenance

It is possible to perform a few basic diagnostics and function duration tests from the workshop. A data connection with the plant in forming the relevant data of the machine is transferred, thus wear is significantly reduced and maintenance reports are sent to competent personnel.