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Accessories



Blasting guns with different outputs



Steel, ceramic or boron carbide nozzles



Pressure blasting equipments



Handling devices for automatic loading and unloading



Devices for vertical and horizontal nozzle movements



Complete antistatic device for thermoset deflashing



Dust collector for all materials



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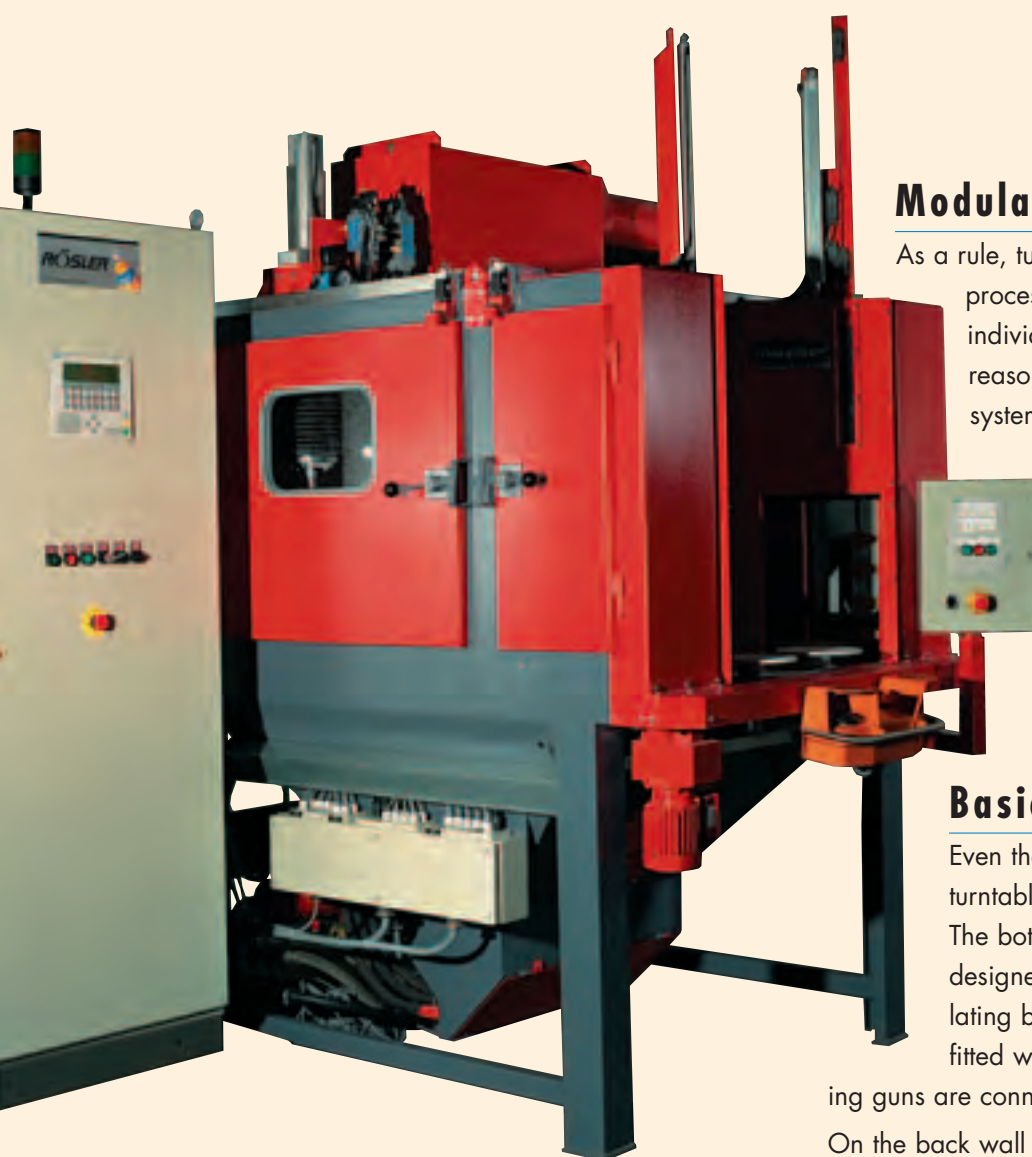
BLAST CLEANING UNITS SA turntable units for blast cleaning and deburring delicate components

BLAST CLEANING UNITS

184.2 e - Specifications are subject to change without notice

BLAST CLEANING UNITS FOR DELICATE COMPONENTS

In addition to hand blasting cabinets, SA turntable units have been in use for several decades now for blast cleaning and deburring delicate components. Parts with concealed burrs or parts that must be blasted to particular surface finishes can be economically processed in turntable units.



Modular System

As a rule, turntable units are designed for the processing of a particular work-piece with an individual degree of automation. For this reason the SA series is based on a modular system, which provides economical solutions both for manual feeding and also for semi-automatic or fully automatic operation. Linear operating vertical and horizontal nozzle moving devices increase the degree of automation of the units.

Basic Equipment

Even the basic version can be equipped with turntables in different sizes to take the parts. The bottom part of the body of the machine is designed as a hopper, which collects the circulating blasting media. This material hopper is fitted with discharge buckets to which the blasting guns are connected.

On the back wall of the machine there is an updraft separator that catches residual blasting media, dust and light foreign bodies. After blasting, the parts are blown off by special nozzles in a chamber that is separate from the blasting chamber to remove any residual blasting media.



Nozzle moving device



Discharge bucket



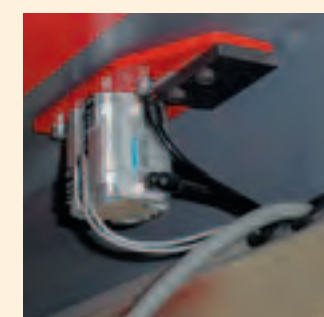
Turntable



Blast nozzles



Table drive



Centring pin

The table is driven by a gear motor with frequency converter for table speeds of between 7 and 33 rpm. The table is turned incrementally – one to two satellites at a time – whereby the end position of the table is positioned over the centring pin with a precision of ± 0.1 mm. This degree of precision facilitates the subsequent use of handling devices or robots.

Turntable and Satellites



Table with two satellites outside

Because of the modular system, table sizes can be fitted with six, eight, ten or twelve satellites. The work-piece mountings or the work-pieces themselves are clamped on these.

Reproducible Parameters

In the standard version all SA types are fitted with a Siemens S 7 controller and an OP 17 text display, which can be used to set the important parameters in a reproducible way and retrieve them. Other PLC controls can be supplied on request.

Blasting Media Circulation and Cleaning

If necessary, the standard version of the machine can be fitted with a sieve to separate the arising burrs or foreign bodies.



Blasting media screw and elevator

In a further version the basic machine can be equipped with a material collecting screw in the catching vessel, which moves the blasting media into a bucket elevator. The bucket elevator carries the blasting media upwards either to a sieving device or for separate processing of the blasting media.

Separate Blasting Media Processing System

A special blasting media processing system was developed for the SA series and this is fitted with a cascade separator for the undersized particles of blasting media and for dust particles and with a vibro-sieve for foreign bodies. The bottom part of the blasting media processing system is designed as a hopper with generous dimensions so that several blasting guns or several pressure blasting systems can be connected.



Processing system for blasting media.