



SECKLER

Flexible micro sandblasting machine – SECKLER *sandero*.
The flexible micro sandblasting system for your parts.

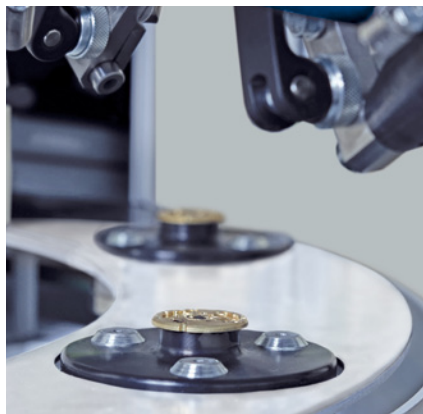
Always perfect iepco surfaces. With SECKLER *sandero*. From SECKLER.

Introducing the SECKLER *sandero*, a natural extension of SECKLER's *robomation* product range. The SECKLER *sandero* is an automated micro sandblasting machine that satisfies even the strictest of quality demands, and increases the economic efficiency of the sandblasting process.

The SECKLER *sandero* is designed to accommodate parts up to a maximum diameter of 80 mm and a maximum length of 150 mm.

It is comprised of a stand-alone blasting system with rotary table and eight workpiece stations. It is possible to have a maximum of four individually programmable blasting nozzles at each table position. After the blasting process, the workpieces are carefully blown off so that they can be removed dust-free from the parts fixture.

For the SECKLER *sandero* we have developed a new clamping system with rubber protection.



+ High flexibility

User-friendly programming for the blasting of small parts in the widest possible variety of shapes and forms

+ Better process controlling

Optimal mixture of blasting material to reduce consumption of blasting media

+ High and repetitive quality

The desired surface quality with flexible parameters



Robot above pallet consists of:

- + Double gripper head
- + Pallet stacking box
- + Flip-over station

The robot is loading and unloading the rotary table of the micro sandblasting system.



Basic configuration

- + Rotary indexing table with 8 satellites
- + 4 blasting gun units
- + Blasting pre-acceleration of blasting media
- + Selective fine grain separation unit
- + Surface micro filter

Scope of application

- + Automotive
- + Watch/Jewelry
- + Medical technology
- + Consumer goods

Options

- + Vertical linear unit for blasting nozzles with a stroke of 150 mm
- + Automated blasting shot injection
- + Suction with dust container
- + Noise protection cell for suction and injection

Flexible software with a user-friendly interface

The SECKLER *sandero* software allows the controlling of the following micro sandblast and robot parameters:

- + Material pressure and dosing of the micro sandblast quantity
- + Feed pressure
- + Blasting time
- + Number of pallets
- + Number of parts
- + Flip parts yes/no, before or/and after micro sandblasting
- + Workpiece administration for up to 176 parts or unlimited by CSV-file



What is the iepco micro sandblasting technology?

It is a dry micro blasting method with a defined blast media (grain size, grain hardness and grain geometry) to positively influence the micro topography of the surface in various forms and qualities.

Goals of the iepco micro sandblasting technology

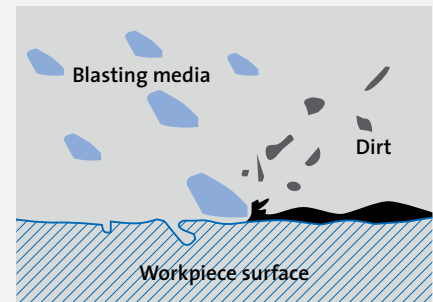
- + Surface cleaning
- + Surface compression
- + Increase of the bearing share
- + Micro deburring
- + Adhesive base preparation
- + Surface texturing
- + Exact defined edge fillet
- + Removal of "droplets" and sharpening burrs
- + Compression, smoothing and polish of workpiece surface
- + 100% reproducible

Blasting media

- + Aluminum oxide
- + Ceramic blasting media
- + Silicates
- + Stainless blasting media
- + Tempered glass balls
- + Synthetic blasting media
- + Organic blasting media for sensitive mold cavity
- + Blasting media with tribological additives on surface of blasting shots

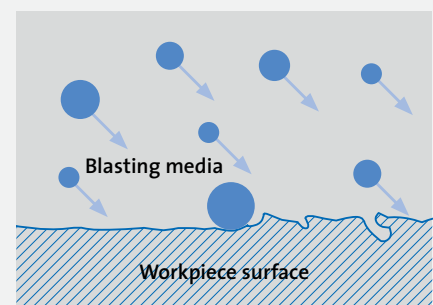
iepco is the expert for a perfect finishing of surfaces. The leading know-how is based on 40 years of experience in this field. Combined with the most modern technology and comprehensive advisory service iepco offers together with SECKLER cost efficient overall solutions – specially tailored to your individual requirements.

1st level: Cleaning



Clean and uniformed surfaces with fine, sparkling micro blasting media. At the same time, all the loose parts are removed. It can also be provided with an adhesive base preparation.

2nd level: Compression



Compression of the surface with simultaneous embedded additives inside the surface. Increase of the tribological characteristics for various applications.

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