

**EVOSET**

# TOOL SHRINK EVO

REDUCE TOOL- CHANGE DOWNTIME  
SIMPLE, ERGONOMIC AND EASY TO USE  
REDUCE MACHINING COSTS  
NO MORE OVERHEATING



## REDUCE TOOL-CHANGE DOWNTIME

Don't slow down your high accuracy machining operations with cumbersome tool holding solutions. TOOL SHRINK EVO offers fast, ergonomic shrinking and unshrinking for steel, high-speed steel (HSS), heavy metal or carbide tools, reducing tool-change downtime. Featuring a heating unit with optimized automatic heating programs, the TOOL SHRINK EVO uses an induction heat element to prevent overheating, minimize energy consumption and keep heat focused on the clamping area.

## SIMPLE, ERGONOMIC AND EASY TO USE

In addition to convenient storage for stop rods, heat-focusing stoppers and finned support rings, the unit has an intuitive two-button operation pad and simple induction mechanism for ergonomic use.

Designed to perform shrinking cycles in two to seven seconds and cooling cycles in as fast as three minutes with the optional water-cooling system, the TOOL SHRINK EVO makes tool setting easy. For specialized holders or specific heating cycles, operators have the possibility to access a secure web-based interface via WiFi or ethernet connection to create new manual programs.

## REDUCE MACHINING COSTS

The rigidity established with Tool Shrink allows the use of high cutting data, with drastic increases in productivity. Additionally, with its superior holding force, concentricity and balance, the chip load is evenly distributed on the cutting edge. This extends tool, holder and spindle life. The reduced tool-change downtime contributes to considerable reduction in machining costs.

## NO MORE OVERHEATING

With a fully protected transmission structure linked to an induction heating system, the TOOL SHRINK EVO makes shrinkfit holders safe and easy to use. The focused heat of the induction unit and optimized pre-programmed cycles prevent overheating for long holder life. For further operator safety, the optional refrigeration unit provides a ready-to-use tool in less than five minutes.

## RANGE OVERVIEW

- TOOL SHRINK EVO heating unit
- Optional refrigeration unit

## YOUR BENEFITS

- Extended toolholder life because of individual optimized heat settings
- Ergonomic tool setting ensures safety due to the machine design
- Fast and easy operation due to simple interface
- Versatility and flexibility with an all-in-one solution

## YOUR CHALLENGES

- Setup times for high accuracy machining operations is too long for optimal, cost-effective processes
- Overheated tool holder and broken cutting tools adds costs resulting in unnecessary scrapping of tool holders

## OUR SOLUTIONS

- Reduce tool-change downtime with our energy-efficient clamping, all-in-one shrinkfit unit with induction heating element and automated heating cycles
- Ensure the longest possible tool life for your shrinkfit holders and tools with fully optimized heating and cooling cycles and accessories designed to easily remove broken tools

## USER FRIENDLY

- Plug-and-Play
- Automatic or manual heating cycles
- Simple interface
- Ergonomic

## PERFORMANCE

- Fast shrink and unshrink tools shank  $\varnothing$  3 to 32 mm (and inch) in steel, HSS, heavy metal or carbide with Seco Tools holders
- Fast cooling of the tool and the tool holder

## EFFICIENCY

- Optimized heating cycle avoiding overheating and minimal energy consumption
- Heating located on the clamping area (faster cooling / limited heating transfer to the holder & cutter / minimal energy consumption)
- Monobloc conception offering better precision

### TECHNICAL DATA - SHRINK FIT

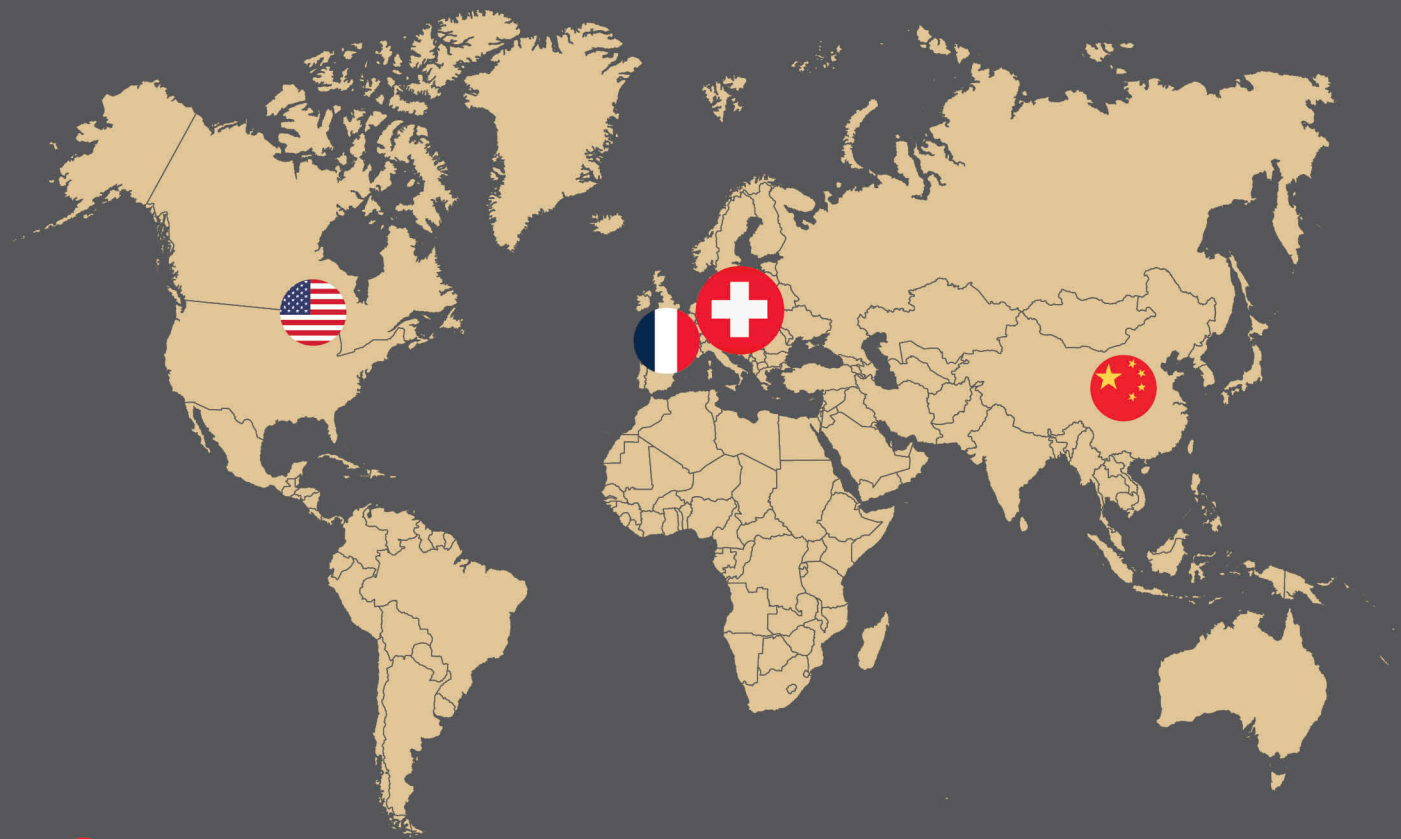
POWER	20 Kw allowing shrink and unshrink of tool $\varnothing$ 3 to 32 mm
CAPABILITY	Tools shank $\varnothing$ 3 to 32 mm
MAX. SHRINKING LENGTH	430 to 490 mm
MAX. MACHINE INTERFACE	HSK-A125
DIMENSIONS	317 x 943 x 920 mm (W x D x H)
WEIGHT	50 kg
DELIVERY CONTENT	<ul style="list-style-type: none"> <li>- 5 standard heat focusing stoppers for <math>\varnothing</math>3 to 32 mm</li> <li>- 8 stop rods</li> <li>- 2 cooling cones</li> <li>- 1 pair of gloves</li> <li>- 1 operating instruction</li> </ul>
CONNECTIONS	<p>EU AC 3 x 400 V (+/-10%) + PE/28 A/50 Hz; AC 3 x 400 V (+/-10%)+N + PE/28 A/50 Hz</p> <p>US AC 3 x 440-480 V + GND / 20 A / 50- 60 Hz</p> <p>For other voltages the use of a transformer is required, which needs to be bought separately:- Input voltages: 3 x 208 / 240 / 600 VAC + GND/28 amp/50-60 Hz- Output voltages: AC 3 x 400 V + PE/28 A/50 Hz</p>

### TECHNICAL DATA - REFRIGERATION UNIT EU & US

COOLING TIME	$\pm$ 1 minutes
EXTENSION TABLE	Allow storage of 5 contact bushes and 1 cooling bell
DIMENSIONS	Refrigeration Unit: 314 x 630 x 285 mm (W x D x H)
WEIGHT	Refrigeration Unit: 35 Kg
DELIVERY CONTENT	<ul style="list-style-type: none"> <li>- Refrigeration unit</li> <li>- Tubes support</li> <li>- 2 cooling bells</li> <li>- Extension table</li> </ul>
CONNECTIONS	Directly on the specific plug on the TOOL SHRINK EVO or on the refrigeration unit (US)



**Refrigeration Unit**  
- Optional product



 Headquarter & Production facility

 Technical office

 Technical office

 Technical & Sales office

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