

UTSCH embossing presses and hot stamping machines

A. General operating, maintenance and care instructions

UTSCH embossing presses and UTSCH hot embossing machines are manufactured in accordance with the current CE directive and delivered to our customers and partners.

In order to guarantee safety and optimum function on site, we **strongly recommend** that the following points be observed when installing and operating UTSCH embossing presses and UTSCH hot stamping machines:

Machine location and operating conditions

The following site conditions for the installation and operation of UTSCH embossing presses and UTSCH hot stamping machines must be met:

- UTSCH embossing presses and UTSCH hot stamping machines must be set up on a stable base and be easily accessible from all sides at all times. An installation on unstable tables, for example, is not appropriate
- Flammable and combustible materials (curtains, cleaners, thinners, cardboard boxes, etc.) must be kept at an appropriate distance away from the machine location. In general, no objects may be placed on the machines, in particular cardboard coffee cups, containers with cleaning agents, etc.
- The cleaning personnel must be instructed to avoid applying or spraying cleaning agents onto (hot) machine parts at all costs
- The work area must have a well-marked escape and rescue route and at least one smoke detector.
- A tested and functional CO2 fire extinguisher should always be readily available near a hot stamping machine.
- Hot stamping machines should always be under supervision due to heat generation during operation. For safety reasons, hot stamping machines must always be switched off outside the operating hours.

The following locations are unsuitable for the installation of UTSCH machines:

- Potentially explosive locations requiring explosion protection measures.
- Locations in the immediate vicinity of solvent-containing agents and substances.

The following environmental parameters ensure optimum performance of UTSCH embossing presses and hot stamping machines:

Ambient temperature: +20°C to +40°C

Ideal working temperature: 180°C - 200°C for optimum hot stamping results

Relative humidity: 50% (+/- 10%)

The following environmental parameters may have a negative influence on the function and service life of UTSCH embossing presses and UTSCH hot stamping machines:

- Increased dust or fibre contamination in the air.
- Increased room humidity or external spray water load.

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Intended Use

- UTSCH embossing presses are designed exclusively for embossing of plate blanks with suitable embossing tools.
- UTSCH hot stamping machines are designed exclusively for colouring embossed aluminium plates with suitable hot stamping foil. In particular, hot machine parts must not be used to keep food, beverages, cleaning agents or any other item warm, or to thaw frozen goods.
- Any other application does not comply with the intended purpose and may lead to damage to the machine or to personal injury or other material damage.

B. Maintenance and care

1. General information:

- UTSCH embossing presses and UTSCH hot stamping machines must be serviced and checked regularly to ensure optimum function and service life.
- Maintenance and inspection must be carried out by appropriately trained personnel, for example by the UTSCH service team.

2. Special instructions for the maintenance of UTSCH embossing presses (incl. ERUT ECO 30):

- The condition of the cylinder seals must be checked regularly.
- The return springs of the embossing plate must be checked regularly for proper function.
- Regular checks must be carried out to ensure that the anti-tamper protection is properly fitted to the embossing frame or the counter embossing tools.
- Hydraulic hoses must be replaced after 5 years at the latest and the hydraulic oil must be changed at the same time.
- Electrical components must be replaced after 5 years or 1 million switching cycles at the latest.

3. Special instructions for the maintenance of UTSCH hot stamping machines (incl. ERUT ECO 30):

- Parts subject to wear (e.g. contactors) must be checked at regular intervals of 24 months and replaced, if necessary.
- Due to the individual machine components and their wear, it is recommended to replace the machine with a new one after 10 years.

Do you have questions concerning the maintenance and service of UTSCH embossing presses and UTSCH hot stamping machines or would you like to order something? Then please contact us.

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