

## Tip Forming and Welding Machine HS-IR-5

**The IR-5 can be used for Forming plastic tips of 0.5 – 7.0 mm diameter. The IR5 can also be used for welding catheter shafts and tips of balloon catheters.**



The IR-5 has been developed for forming plastic tips with a diameter of 0.5-7 mm. Optimum adaptation to your production can be achieved by quickly and simply changing between different molds, such as glass, metal and plastic molds. The IR-5 enables forming of open and closed tips. In addition, the IR-5 is an ideal welding machine for catheter shafts and tips of balloon catheters.

The IR-5 is loaded manually. The tube is inserted into the slide. The tube is clamped and the freely programmable sequence is started by pressing the start key. The following parameters can be entered: Power, start position, tip length, speed and cooling temperature. The process can also be adapted to new requirements in the machine program.

The mold is heated by 4 radially arranged IR emitters. It is thus possible to change the mold without the need for readjustment. The mold is exchanged together with the complete mold holder. The time taken is typically << 5 min. The IR sensor is recommended if the temperature can be measured at the tip of the mold (if no through-loading is necessary).

## Technical data

<b>Materials:</b>	All standard materials, ...
<b>Tube diameter:</b>	0.5 to 7 mm
<b>Tube clamping:</b>	Pneumatic
<b>Tube guidance:</b>	Exchangeable guide bushings
<b>Mold holder:</b>	Quick-change aluminum holder for mounting glass, metal and plastic process molds.
<b>Length adjustment:</b>	Feed programmable in length and speed.
<b>Heating:</b>	Infra-Red heater, 4 x 50 W emitters Temperature up to 300°C.
<b>Temperature control:</b>	Thermocouple, output control, option: Infrared sensor
<b>Cooling:</b>	Air.
<b>Dimensions without PC:</b>	(L/W/H) 400 x 250 x 140 mm, Weight: 9.4 kg
<b>Housing:</b>	Clean room-compliant design, top made of stainless steel.
<b>Connection:</b>	110-230 V /50-60 Hz /250 W, Compressed air hose 6-8 bar filtered.
<b>Scope of delivery:</b>	Machine, with thermocouple control and mold holder. Software, Dongle, Operating Instructions in English.
<b>Accessories:</b>	Molds for other diameters, water cooled system, PC-Win 7/8 for programming.
<b>Miscellaneous:</b>	Special sizes and customizations on request.



Made in Germany

**All specifications are subject to change without notice.**

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