

## The "Igel" has landed!

HE'S BACK AGAIN!

Loader/Stacker (Igelstapler) IS 5-70  
for loading and unloading a production line



### FUNCTIONAL DESCRIPTION

The loader/stacker continuously picks up the circuit boards from the machining process. The incoming printed circuit boards are detected by sensors in front of the conveyor belt. After the preset time has elapsed (time from detection of the circuit board to the activation of the conveyor belt cycle drive), the conveyor belts move to the next position. The time required depends on the transport speed of the upstream machine.

The conveyor consists of a special plastic conveyor belt with glass fibre reinforced plastic cams attached to it.

The printed circuit boards are lined up between the plastic cams and transported in clocked sequence. The grid spacing of the cams is 10 mm.

The PCB detection sensors are symmetrically positioned across the working width, enabling 2 tracks to be included or different formats to be processed.

As an option, an infeed or outfeed conveyor belt is offered, which can pick up or drop the printed circuit boards at optimum speed. Via the sensors in front of the conveyor belt, the infeed belt is stopped with a delay so that a misaligned entering circuit board is centred in the plastic cams.

### VARIOUS VARIANTS

<b>TYPE ISB</b>	For loading and unloading thin printed circuit boards up to 0.1 mm. The transport is carried out in special metal brackets with a grid spacing of 15.9 mm.
<b>TYPE ISC</b>	For loading and unloading rigid circuit boards into or from cassettes.
<b>TYPE ISD</b>	Loading and unloading, for example newly coated rigid circuit boards. The transport is carried out in aluminium profile strips at the lacquer-free edge area (8 mm). The grid spacing is 12.7 mm.

**Also available with 50 or 100 panels!**

### TECHNICAL DATA

<b>System Length</b>	704 mm
<b>System Width</b>	850 mm
<b>System Height</b>	1100 mm
<b>Working Height</b>	900 + - 50 mm
<b>Circuit board format: min / max.</b>	200 x 300 / 625 x 625 mm
<b>Circuit board thickness: min. / max.</b>	0,5 / 4,2 mm
<b>For the thickness of the printed circuit board, please also refer to our data sheet or drawing</b>	
<b>Connection</b>	230 V 50 Hz 0,5 KW
<b>Control System</b>	Siemens S7 200
<b>Compressed air</b>	no
<b>Weight</b>	150 Kg
<b>Colour</b>	RAL 7035

