

The perfect supplement

In order to ensure that we offer perfect solutions from one source, we also supply suitable assembly machines for press-fit connectors. You can choose various highly efficient solutions – from manual production all the way to complete automated processes.

ept assembly machines

By supplementing the ept connectors with suitable ept assembly machines and the associated ept tools, you will receive an all-in-one system solution from one source. The advantages are obvious: the design of the connectors, press-fit zone, assembly tools and the process and machine are perfectly matched to each other. This results in a considerable reduction of the process costs and thus the reduction of the "Total Cost of Ownership" (TCO). Practical experience has shown that a fast amortization of the investment – within a few months – is possible. Another important advantage is the increased quality and thus increased reliability of the electrical connections.

From manual to serial production – We offer the right assembly machine for any application

For the production of small and pilot series, manual workstations with manual lift with or without pneumatic support (HKP 16 or HKP 20) are the preferred choice.

For more sophisticated applications, the manual workstation HKP 35 can be used. This assembly machine offers many expansion options depending on your requirements, e.g. a free-moving XY bench or the monitoring of the press-fit force by a PC controlled programmable electronic force-displacement monitoring.

A database for recorded data permits simple documentation of the press-fit processes. Furthermore, the HKP 35 can be expanded to create a complete workstation where the required connectors and printed circuit boards as well as the press-fit tools are stored and readily provided.

For large serial production, the PEM100 has already been proven in the market. This modular system permits fully automatic press-fit process of pre-loaded printed circuit boards, the upper and lower die can be vertically traversed along the Z axis, the XY bench can program controlled traversed along both horizontal axes.

The customer's benefits are obvious:

- Bidirectional printed circuit board transport is possible, thus "inline-capable"
- Fully automatic production, including loading and unloading of printed circuit boards, automatic tool change, monitoring of the press-fit force
- High production capacity of up to 1000 press-fit connectors per hour
- Quick conversion to new product series by means of simple program and tool change
- Connectors can be pressed in on both sides of the board
- Modular configuration and retrofitting are possible
- Remote maintenance is possible

Let us know the demand of your machine

Together, we analyze your requirements and configure the ideal assembly machine for you. You will benefit from the experience of our specialists gained in many realized projects.

As one of the few connector manufacturers we can offer you the whole range of services from one source, we have the comprehensive expertise, the right tools and selected partners. By combining connectors, the assembly machine and tools we can offer optimum technical, schedule-based, and economical results for you.



Machine type	Insertion force	PCB size	Insertion force monitoring	Suitable for				
		Max. (mm)		Modules	Backplanes	Pilot and small series	Repair	Large series
 HKP 16	16 kN	400 x 300		X	X	X	X	
 HKP 20	20 kN	500 x 300		X	X	X	X	
 HKP 35	35 kN	500 x 300	Optional pneumatic force deactivation or PC control	X	X	X	X	
 PEM 100	40 kN (optionally 80 kN)	600 x 800	X	X	X			X