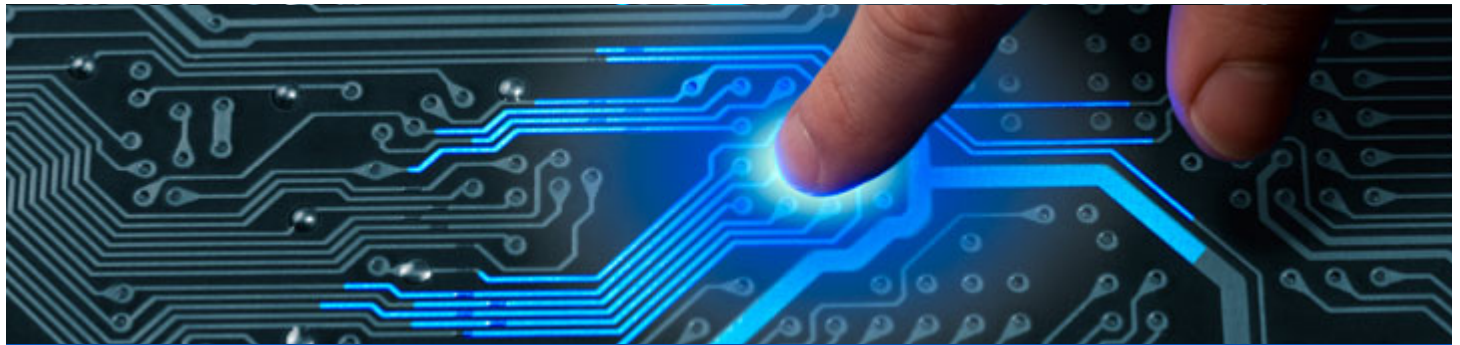




Summary

Industry:	Electronic and Electric Machinery
Application:	Stamping Press for PCB application
Actual Saving:	£44,000
Payback Period:	Immediately



Unqie pneumatic solution

ERIKS and Festo meet customers seemingly impossible needs

ISSUE

ERIKS Fluid Power were asked to look at an application from a local company to come up with some design to punch out connecting parts from printed circuit boards. The customer was manually doing this process, this was costly and slow, typically taking 3 minutes per board.

SOLUTION

The forces required, 25000N had most other companies suggesting Hydraulics, however this was too expensive and dirty.

The customer requested a pneumatic solution was requested but the other suppliers could not come up with a viable solution. ERIKS suggested using a Festo Bellows Cylinder and trialed this at Festo, after determining a 395mm Bellow would give the required force.

ERIKS designed a solution using CAD and offered it to the customer, who agreed to one machine being ordered at around £1,000. The machine slashed the cycle time from 3mins to 10secs.

OTHER BENEFITS

- Slashed cycle time and operator costs.
- Cost of Machinery reduced

FURTHER COMMENTS...

The directors of the parent company who are based in Austria, visited the UK and were delighted with the results, as they were told that it could not be done using pneumatics, they have since asked for quotation to supply another machine.

MORE INFORMATION

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know-how makes the difference

ERIKS