



# IC-STAL 90

## Punch and die press

The ILLIG IC-STAL 90 IC process-controlled horizontal pass-through punch press operates at a very high cycle speed and can be connected to all ILLIG roll-fed forming machines for downstream separation of the formed parts from the material web. Special features include high cutting quality, low-maintenance tools and smooth operation.

The ILLIG-developed pass-through punch press IC-STAL 90 has a unique horizontal design that ensures that the formed parts are perfectly punched out of the material web, which are then immediately stacked and discharged from the machine. The servo-driven punch operation ensures smooth and accurate operation with an index length accuracy of  $\pm 0.1$  mm. The stress-free shearing-cut punching tool, the smooth operation and its smart machine control result in a very high punching precision and repeat accuracy at up to 145 cycles per minute.

## BENEFITS

- + CLEANTIVITY®
- + PROCESS-CONTROLLED MACHINE
- + DYNAMIC PROCESS OPTIMIZATION
- + AUTOMATIC DEFAULT SETTING CALCULATION
- + GUIDED TOOL CHANGE
- + QUICK-CHANGE-TOOLING

## TECHNICAL DATA

### IC-STAL 90

Punch and die press

1,100<sub>mm</sub> X 510<sub>mm</sub>

Punching table area

max. 380<sub>mm</sub>

Punching dimension

max. 850<sub>mm</sub>

Punching dimension across

max. 180<sub>kN</sub>

Punching force

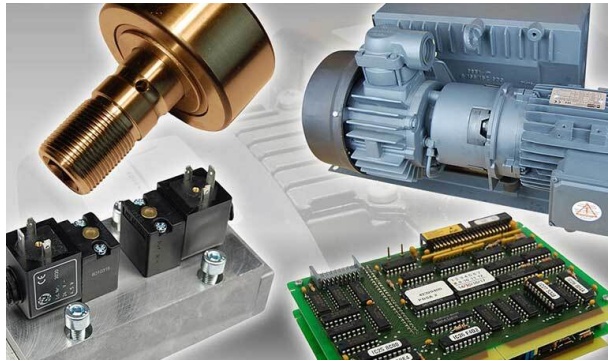
max. 145<sub>cpm</sub>

Cycle speed

# SERVICES

## SPARE PARTS

With tool spare parts we offer our customers worldwide optimal support. Safe, reliable, superior parts for guaranteed quality.



## SPARE PARTS

With machine spare parts we offer our customers worldwide optimal support. Safe, reliable, superior parts for guaranteed quality.

## MONITORING

Our Monitoring products provide you a competitive advantage. Data analysis via our secure remote access service, enables you reduced costs and time for trouble shooting and increase the availability of your ILLIG system.



# SERVICES

## PROCESS IMPROVEMENT



Our experts will help you with production or optimize the entire thermoform process to achieve more performance, better product quality and higher machine availability for your ILLIG system.

## SERVICE AGREEMENTS

With service agreements we provide you support for your ILLIG system over the entire lifecycle.



## TECHNICAL SERVICES



Technical Services offers our customers worldwide technical support.

# SERVICES

## TECHNICAL TRAINING

Master complexity - increase return. In accordance to this motto we educate the delegates to advanced line specialists.



## ACCESSORIES

ILLIG accessories with ILLIG Quality. High-quality materials with a long lifespan, with targeted use, are a guarantee for optimal work results.