

# **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 ±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**
- QUICK-CHANGE-TOOLING

# **TECHNICAL DATA**

# IC-STAL 90

Punch and die press

 $1,100\,\mathsf{mm}\,\mathsf{X}\,510\,\mathsf{mm}$ 

 $\mathsf{max.}\, 380\,\mathsf{mm}$ 

Punching table area

**Punching dimension** 

 $\mathsf{max.}\,850\,\mathsf{mm}$ 

max. 180 kN

**Punching dimension across** 

Punching force

 $_{\text{max.}}\,145\,_{\text{cpm}}$ 

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 sercure 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.

