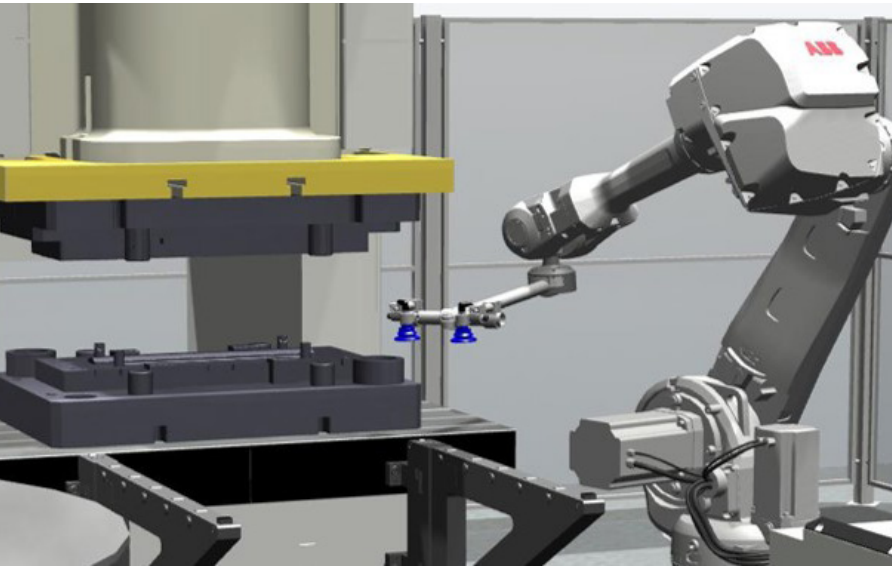**— ROBOTICS**

StampPack
Robotics Solution for Press Cell Automation

The StampPack is a functional, pre-engineered package of standard products that are brought together, connected, and tested in such a way that they deliver a plug and produce solution for a press cells automation. The package increases the productivity of press cells and is valid for any press and robot size. It's easy to engineer, install, program, and use, thanks to StampApp.

Unique experience and global support
With more than 30 years of experience in press automation, ABB Robotics has a sales and service operations in 53 countries and over 100 locations.

Plug & Produce concept for short setup time
With a standardized interface, StampPack creates an easy connection of the robot to one or more presses, of any type and size, including multiple step stamping. The result is a fully automated production cell, set up in record time and ready to start producing. Moving from manual to automatic production has never been so easy. The robot controller includes an interconnection cabinet designed for quick connection with a maximum of 6 press cell devices (press, conveyor, centering station).

Easy programming and operator interface
StampApp software provides a graphical programming wizard that helps the operator to easily program new parts without the need to master the robot programming language. The underlying robot program incorporates all the experience and feedback gathered after programming more than 2,000 press robots.

StampApp is a unique software package specifically designed to facilitate the interaction between operator and press cell. StampApp runs on the robot FlexPendant for maximum simplicity, flexibility and cost effectiveness.

Key features
- Easy installation
- Flexible (robot-based concept)
- Scalable, from 1 to 6 cell devices

StampPack main components
- ABB Robot
- Connection Box
- Robotware StampApp

Smart and Lean devices
All components on the press cell use same interface and the components of the press cell are defined as a device, which are defined as Smart or Lean device
Smart device - Max. 6 (IO interface is required):
- Quick connection trough Connection Box
- 6 IO signals
  - Device to Robot: Unload Authorization, Load Authorization, In, Connected
  - Robot to Device: Unloaded, Loaded
- Lean device
  - No interface with robot is required
  - Device free programmable

Robot Models (material handling robots)
- IRB 1200
- IRB 1600
- IRB 260
- IRB 2600
- IRB 460
- IRB 4600
- IRB 6620
- IRB 6660
- IRB 6700
- IRB 760
- IRB 7600

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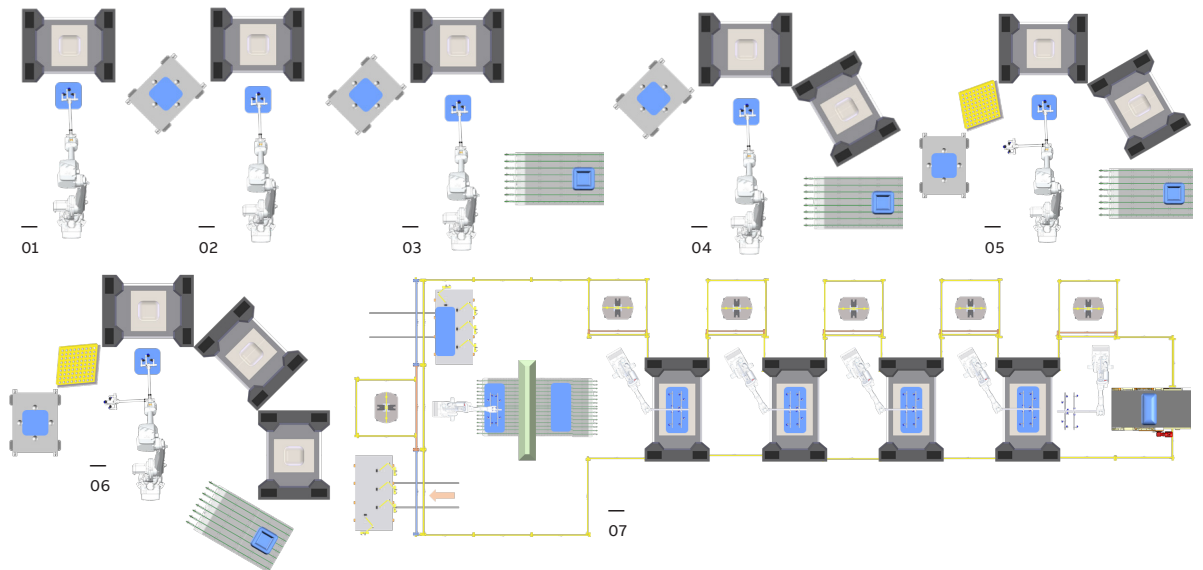
Specification

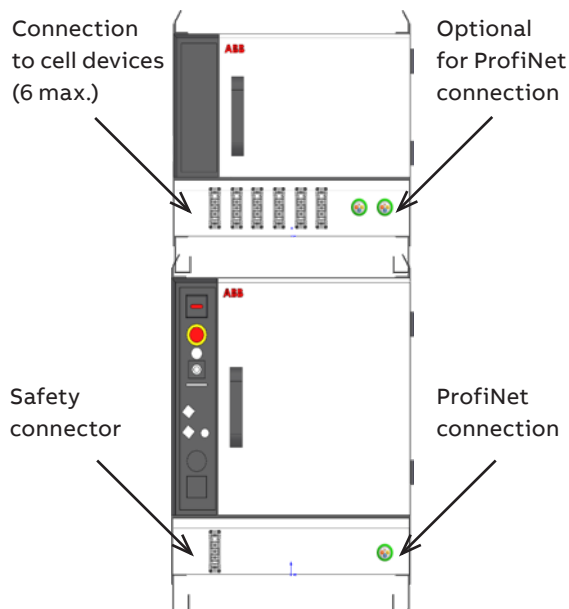|	
Robot Program	A completely tested, stable and bug-free robot program for press tending applications, ready to use.
Programming Wizard	A visual and extremely intuitive path programming tool that makes your life much easier.
Optimization Tool	Easy on-line adjustment of the main parameters to optimize the line cycle time.
Line Operating Screens	Everything you need to monitor and control your press line, right in the palm of your hand.

Robot Cabinet + StampPack ConnBox

Connection to cell devices (6 max.)

Optional for ProfiNet connection

Safety connector

ProfiNet connection

Technical information: StampPack ConnBox (Connection Box)

Physical

Dimensions	720 x 725 x 710 mm

Environment

Hardwired connection (basic option)	6 x harting for quick connection to all cell devices (24 pin) 6 x IO relay module (DX522)
Profinet connection (optional)	ProfiNet input/output ProfiNet control module (CI502PNIO) • 8 inputs + 8 outputs • 8 configurable I/O

Technical information: Robot Cabinet

Physical

Dimensions	970 x 725 x 710 mm

Environment

Ambient Temperature	0 – 45°C (optional 0 – 52°C)
Protection	IP 54
StampPack specific equipment	1x harting for safeties (AS/ES/GS) 1 x ProfiNet output (to ConnBox)

Data and dimensions may be changed without notice.

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abb.com/robotics