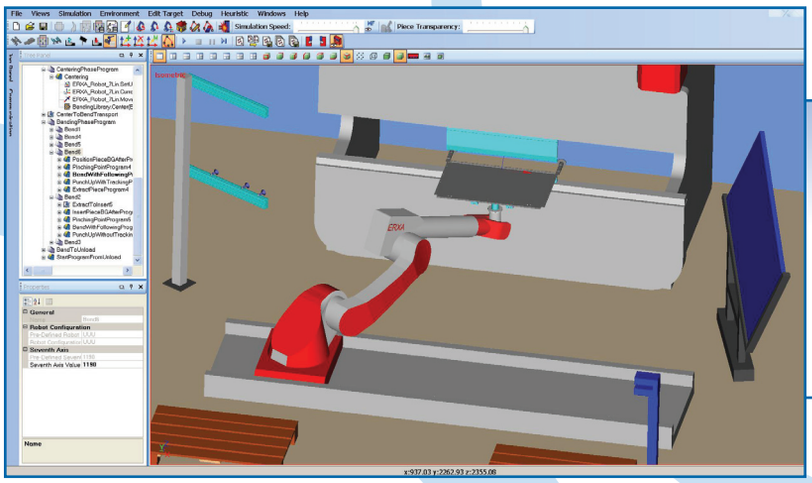
RoboWave
bending

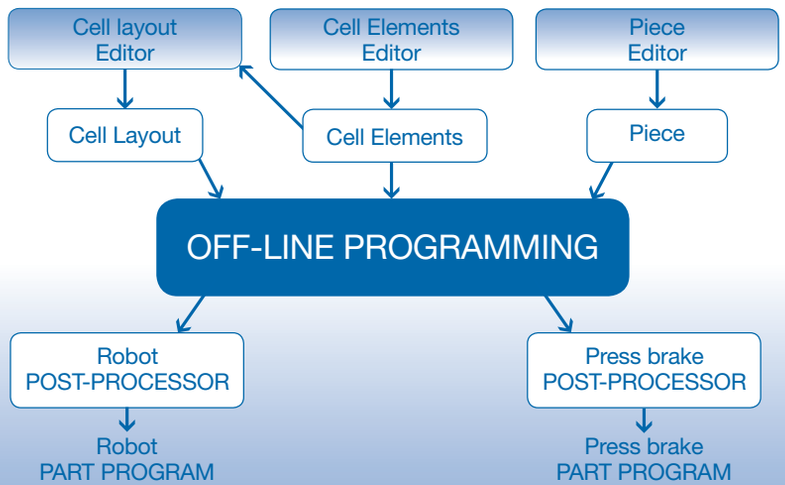
The complete solution for robotized bending process

RoboWave bending is an innovative software allowing to program automatically robot and press brake (from picking to palletization management) from your PC without stopping production plant: **automatic bending sequence definition, tools setup, gauges positioning and robot movements generation**, are performed in a rapid and reliable way.



MAIN FEATURES

- Cell elements design
- Cell layout design and control
- Off-line programming of bending process process and robot movements
- 3D realistic simulation of bending process



All bends types

Air-bend, coning, V-bend, step-bend, hemming, flat bend, single bends and multi-bends, different bending phases.

Available for all robots and press-brakes

OPTIMIZE THE CELL LAYOUT

- 2/3 D CAD functions
- Import 3D models and design/edit cell elements
- Drag&Drop building of the working cell and validation
- Import and editing of robot gripper and press-brake tools

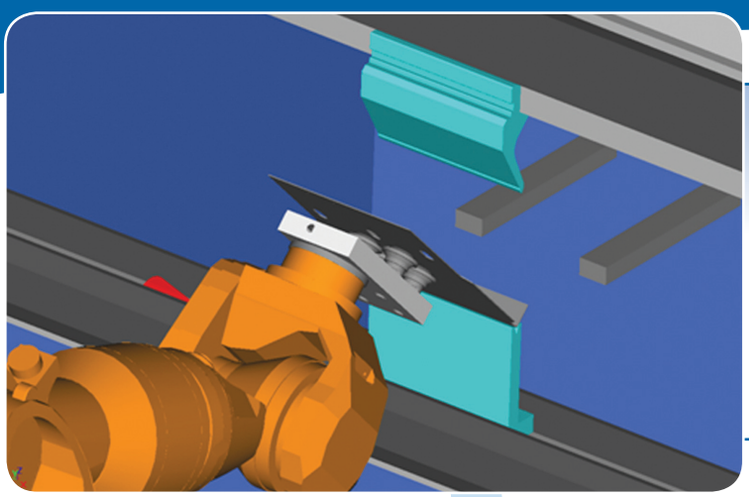
EXPLOIT YOUR EXPERIENCES

- Define your bending procedures manually or using automatic functions
- Take advantages from rapid programming
- Optimize the bending process and the working cycle
- Open to import CAD/CAM data from external software

PROGRAM NOW

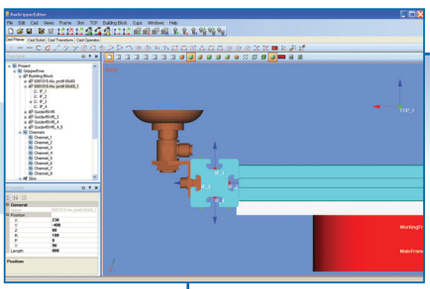
- No robotic skill is required
- Generates automatically the program for both robot and press-brake
- Uses innovative software tools for simulation and validation
- In short time and no need of on field adjustments

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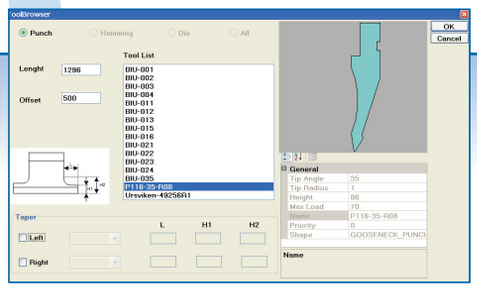


WITH FEW SIMPLE STEPS IT IS POSSIBLE TO:

- Verify cell layout feasibility
- Simulate the bending process
- Off-line program without teach-in
- Generate robot and press-brake part program
- Manage cell elements libraries
- Manage multi load and unload stations
- Data import in different formats



Gripper Editor



Tool Editor

AUTOMATIC FUNCTIONS

- Automatic bending sequence generator
- Automatic tools selection and set-up
- Automatic gauges positioning

Adaptable to any configuration of the working cell
Rapid integration with external softwares and factory automation systems

MAIN ADVANTAGES

An efficient off-line programming is the best way to maximize investments returns of robotized systems.

For System Integrator

- Robot and press-brake independent
- Dynamic sales presentations
- Cycle time evaluation
- Reduced time for cell configuration and programming activities
- No risks for cell layout configuration and set-up
- Immediate integration with press brakes and robots available on market

For End User

- Easy to use (no need of expert operators for bending production)
- Increase efficiency: press-brake running all day long
- No production stops and reduced time during programming and cell configuration
- Increase safety and flexibility of the work cell
- Better planning production: high quality, time and production quantity independent
- No limits for part variety, job frequency, and design complexity

RoboWave

RoboWave bending is one of the software solutions offered and developed on the powerful RoboWave platform of ERXA. RoboWave is a simulation tool, standard, open and personalizable, suitable for robotics CAD/CAM applications. For more information on RoboWave products, visit the web-site **www.robowave.com**

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For more information on our solutions, contact us!
Sales: sales@erxa.it
Product support: support@erxa.it

ERXA has accrued in 20 years a great experience in robotics and in CAD/CAM applications, typical of metal sheet bending, successfully solving problems as automatic bending sequence generation, automatic tools set-up and gauges positioning.

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