VisiPac / VisiTouch
New features in V2.4

Software version V2.4 offers the following main evolution vs V2.0:

- For the Operator (page1)
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For the Operator:

- **Coordinate dimensions** (LU-LW) for an easier introduction of profiles drawings.
- **Unfolded length DIN + REAL** with automatic percentage dispatching or manual selection of fixed flange length.
- **Main buttons** display and position **customizable** in the touch area.
- **Handwheel management**. This special mode allows the operator to adjust any axis position with an optional handwheel and teach its position at any time. Can manage the beam, a single or a group of electrical axes.
- **Multi-machines**, enable the user to configure multiple machine configurations on his offline software and easily switch between them.

With MX (3D software):

- Import SolidWorks files.
- Exports DXF flat patterns after 2D part creation or corrections on imported 3D parts.

Updated user manual:

- User Manual VisiPac / VisiTouch available in various languages.
- User Manual VisiTouch MX (3D) available in various languages.

For the Press Brake (OEM and retrofit):

VisiPac / VisiTouch is an **open software platform**. It's possible to run additional specific controls and/or functions according to the need of specific options on your press brakes or the need to interface/control third systems. To add specific controls and/or functions, new "Plugins" or "User Cycles" can be programmed. Programming such features requires good computer skills and training at Cybelec. That is why, in most cases, we offer this service. Don't hesitate to contact us if you want to implement specific functions on your VisiPac / VisiTouch controls.

The following new Users Cycles and Plugins are available:

New Users Cycles:

- **Stack light** allows to activate the status lamps on a semaphore (yellow, red or green) according to the state of the machine.
- **Fingers sensors** manages switch sensors on left and right fingers. When the part is correctly positioned in the gauges, the switches are activated. It's possible to check only on one finger or on both.
- **Axes pauses** allows to modify the machine cycle (externally) integrating a pause command for the axes.
- **ModEva auxiliary functions** is used for ModEva retrofit to manage several auxiliary functions.
- Special cycles are available for retrofitting ModEva press brakes with safety system Pilz 3000.
- **Special crowning cycles** have been developed for even more precise bending. For example, special cycles for dynamic crowning with two force sensors or special cycles for close loop crowning with position-regulated actuators (multi-pistons).

New Plugins:

- **Angle Check** manages the angle measurement with one or two cameras that provides photos of the angle for automatic corrections but not in real time. It works like an angle protractor. It realizes a special test cycle after the bend to verify if the result is in a defined tolerance. In case the bend is open and out of tolerance, a correction is automatically applied, and the bend is re-bent again.
- **Multi points angle measurement** with a system that moves along the workpiece and deflection measurement with force sensors allow corrections in real time automatically.
- Customizable **Industry 4.0 interface** allows the connection to an MES (Manufacturing Execution System) using a proprietary protocol. The protocol uses TCP/IP binary sockets where the numerical control is the server, and the MES is the client. As the protocol is proprietary, depending on the MES, there are probably adaptations to be made. It provides a lot of live data (statistics, modes, errors, etc.) from the machine and allow to send commands (requests) in both directions.
- **Arm robot interfaces** with YASKAWA and STEP. This function makes the interface between the robot numerical control and the VisiPac / VisiTouch numerical control via a unique EtherCAT wire communication using a TCP/IP customized protocol.
- Customizable splash screen for **OEM logo**.

For Service and Production department:

- CybMVA **configuration via CAN bus**. The configurations CybMVA valves parameters for the valves are saved in the VisiPac / VisiTouch controls (backup). In case of exchange CybMVA, the parameters are easily restored without need of a technical assistance and / or PC.