CYBELEC
INFRANOR GROUP COMPANY

VisiTouch 19

Options

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V1.0

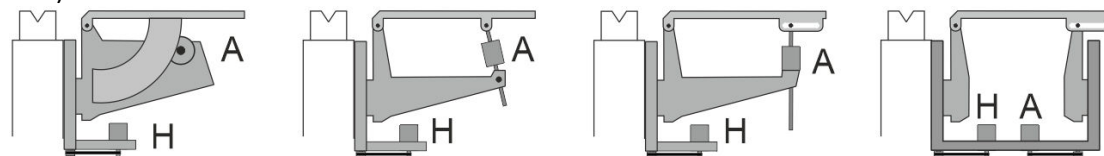**Marketing description**

OFT-BA   <u>**Bending aids**</u>

This option enables the bending aids function.
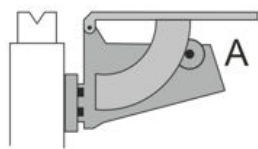
Bending aids mechanics (all sorts of mechanic systems, see below) with 2 interpolated axes will also need the OFT-SS Sheet Support option.
One or 2 options (OFT-BA + OFT-SS) per machine is needed (even if one or several bending aids).

But each axis that motorize the bending aids needs an axis license (OFT-AX).
For example: 4 interpolated bending aids will need (1 OFT-BA, 1OFT-SS, 8 OFT-AX)

OFT-SS   <u>**Sheet support**</u>

This option enables the sheet support function.
One (OFT-SS) per machine is needed (even if the machine is equipped with several motorized sheet supports).
But each axis that motorize a bending support needs one axis license (OFT-AX).
For example: 2 motorized sheet supports will need (1OFT-SS, 2 OFT-AX)

OFT-AM1   <u>**Automatic angle measurement, one station**</u>

Requested for external measurement angle systems. This OFT-AM1 is managing one single measurement station (one or 2 sensors).
While ordering, please specify the angle measuring system that will be used. Cybelec will provide the correct plugin interface.

OFT-AM2   <u>**Automatic angle measurement, 2 stations**</u>

Same as above, but for 2 measuring stations.

OFT-GP   <u>**Group of parts and batch management**</u>

This option lets create groups of programs that are linked together. Calling one group shows immediately the composition of it.
The batch feature lets create and manage the parts that have to be produced and in what sequence. Each can be interrupted and resumed any time during production without loss of the counting and the sequence. It can be considered to a production order.

OFT-CB   **Slanted / conical bending for CybCNC3-2D**
This option is dedicated to 4 axes back-gauges with a common bar that supports the fingers (X1-X2, Z1-Z2) and can be slanted positioned to create conical bends.
The option offers to the operator a visual help and templates to easily manage all conical bends drawing dimensions and automatically calculate the position of all axes depending the angle positions etc. It's a necessary option for any user that need to make slanted bends on such back-gauge configuration.
NB. This option is not necessary on the VisiTouch MX as it is already included.

OFT-TS   **Tools stations management for CybCNC3-2D**
This option allows to define working stations and memorize them in parts program. A graphic interface shows the operator where to place his material for each bend.
It allows to define simple and complex working stations with the help of a graphical interface and even allows to define tools segmentation if needed.
It also includes a Wizard that visibly and shows the operator own to mount the tools on the machine, making the tools setup of complex stations very fast and errorless.
This option is necessary on VisiTouch 19 are equipped with the Tools locator option (OFT-TL).
NB. This option is not necessary on the VisiTouch MX as it is already included.

OFT-AT   **Automatic thickness measurement**
With an analog external measuring system.
The external measuring system can be either manually activated, by introducing the plate into a measuring system (sensor). Or semi-automatic, selected in a sequence.
In that sequence the measuring system is activated and comes near the gauging position or elsewhere (pneumatic piston for example, holding the measuring system). The measurement is initiated manually or semi-automatically by a sensor.
The measuring system is either an analog device (potentiometer, LVDT etc) providing a voltage between 0 and 10 VDC or an encoder (rotary or linear).
Calibration procedure of the measuring system is part of this option.

OFT-BC   **Plugin for communication with Barcode reader, generic**
The use of a bar code reader will automatically load a part program into the NC.
A special page let to configure the name of the part program to load.

OFT-SB   **Plugin for communication with Lazer Safe Smart Brackets**
LazerSafe safety guard system has a possibility to motorize the support brackets for automatic adjustment.
Our plugin option manages this feature.

OFT-RCG   **Plugin for comm. with arm robot (incl. OFT-BA and OFT-SS)**
This function makes the interface between an external robot NC and VisiTouch via a unique EtherCat cable communication, avoiding all inputs outputs wirings between the 2 NCs to synchronize them.
This function needs both robot NC manufacturer and Cybelec to develop the interface protocol for the communication. It needs to investigate with the robot manufacturer if such a development is possible.
A list of existing robots is available on demand at Cybelec.

OFT-RCA   **Robot control for Cartesian robots**
A full integrated management of 5 axes Cartesian robots is integrated into the VisiTouch control.
All axes of the press-brakes and the 5 axes of the robot are managed with VisiTouch.
A special interface is then available to fully control the robot. As the same programing philosophy as CybTouch and VisiTouch is applied to the robot HMI interface, the setup of a program becomes very simple. The operator HMI is integrated in the same "world".
A lot of specialized macro routines makes the programming of a part to be done in a minute.
Currently a multi profile L-alpha page allows to create boxes in a very intuitive and easy way.
For more information, please contact Cybelec.

OFT-RAS   **STEP Arm Robots control interface**
As for the Cartesian robot option, the programming of the part is done on the VisiTouch, with all the macro routines and all the facilities developed for the programming operator of the machine.
In this configuration the STEP NC still managing the robot axes as usual.
For more information, please contact Cybelec.

OFT-ST   **Statistics**
A specific page shows different statistics on the machine function, such as:

- Number of bends. Two counters are available, one for the OEM and the other one for the user
- Number of bends per tool (dye and punch)
- Number of times per program
- Number of hours in various modes:
    o Manual
    o Automatic
    o Program
    o In movement
    o In alarm

OFT-I4M   **Industry 4.0, statistics, status (MES)**

This plugin interface is dedicated to the specific MES factory management system.
It allows the MES to manage and supervise the production of the machine equipped with oFT-I4M option.
Statistics, errors etc. can be uploaded by the MES system.

OFT-PG   **Authorization for plugin installed by customer**

This option is specific for manufacturer that are willing to develop their own plugin. The option allow to run "OEM made" plugin and protect them of copy. This is part of the openness strategy of the new Cybelec products.
For more information, please contact Cybelec.

RESOURCES

TUTORIALS - VIDEOS

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Please, Contact us know if you have any suggestion.