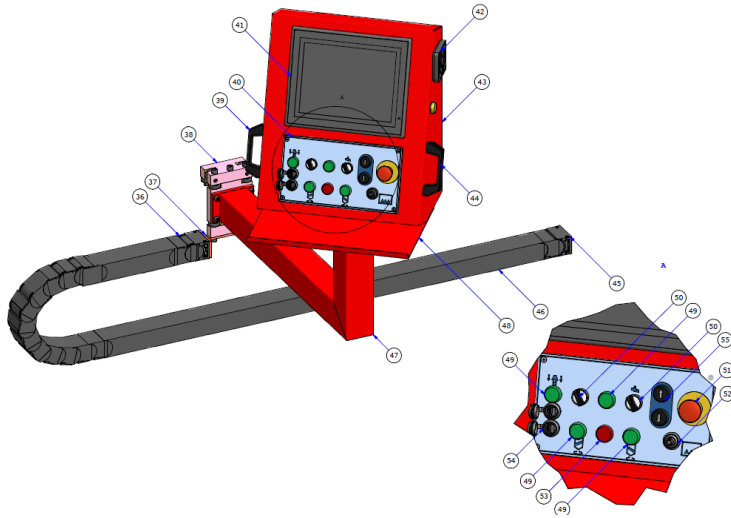# FlexDrill™

Control Panel:

OMRON TOUCH SCREEN CONTROL

12" color touchscreen PC
Windows operating system
Includes Conversational & ISO Programming
The control offers precise and reliable ease of operation

Programming:

- Simple conversational programming using macros
- The machine can be connected to your network thru an Ethernet cable RJ45.
- A USB plug can be used to load programs with a memory stick.
- All applications can be programmed in a quick and efficient manner.
- The control will only show required functions and only request data needed to perform that function for simple programing.
- Based on specific operator requirements, the software can be optimized to fit the customer's operators and applications with special symbols.
- Write programs on an external PC /Laptop with our Drillwin NJ13
- 50 programmable zero-points
- 3 axes controlled (X,Y,Z)

Conversational Programing Capabilities:

- Plate drilling cycles
- Profile drilling cycles
- Thermal drilling cycle
- Tapping cycles
- Milling cycles
- Helical Milling cycles
- Counter sinking cycles
- Chip breaking cycles
- Deep drilling cycles

FlexDrill™

Free programming in ISO using G-codes at the machine:

Standard cycles, such as drilling, tapping, countersinking, flow-drilling, circular and oblong milling are programmable through conversational macros. Cycles that are not included in the macros are programmed in ISO using G-codes. In ISO it is possible to program complex shapes with interpolated X/Y-movements. The system offers 3-axis (X/Y/Z) interpolation for helical milling and thread-milling.

OMRON control capabilities:

- Conversational programming for coordinate and standard work-cycles
- Simply enter the required data and save it under a desired name
- The complete work cycle of the parts are entered in a sequence list and stored.
- The programmed parts can be worked in a "pendle-mode" allowing operators to load-unload on one side while machining on the other side.
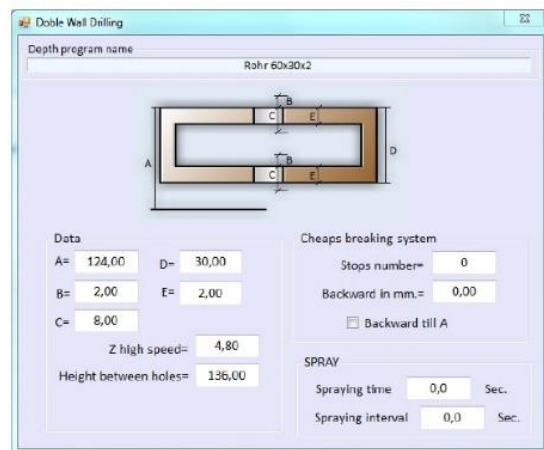
Examples of some standard macros
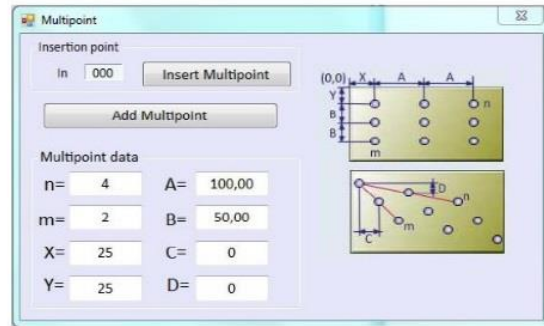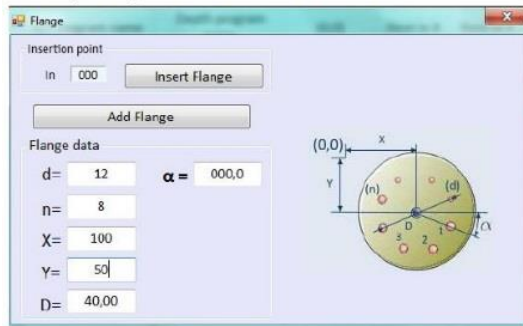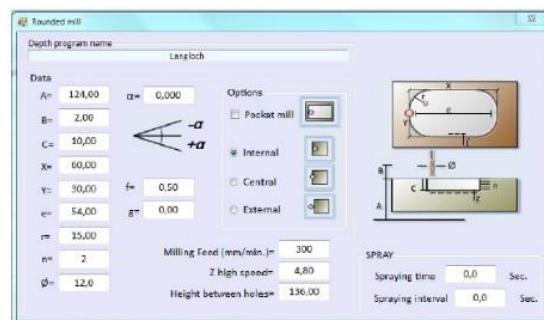

Flange/bolt-hole
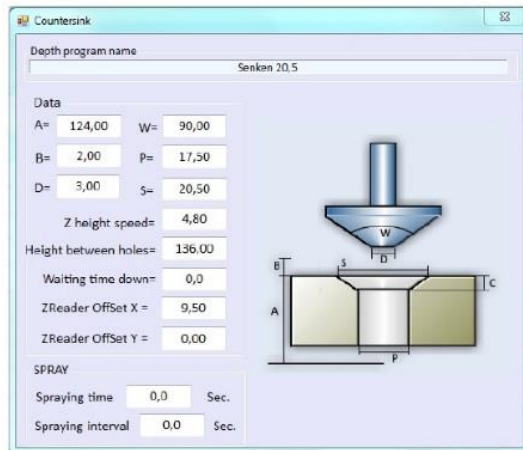
Grid

Countersinking, depth is calculated automatically

Profile with intermediate rapid movement

Circular milling with programmable finish-run

Oblong hole with prgrammable finish-run