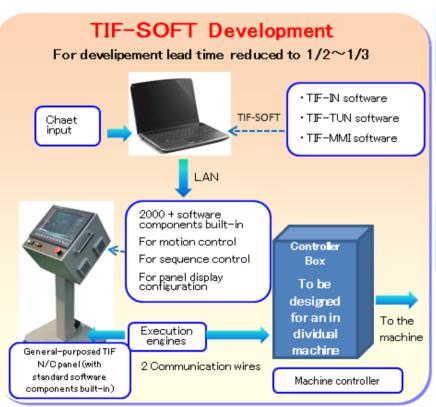
General-purposed TIF Operation panel (with software components built-in)

World-top class TIF Multi-axis machine controller panel (with standard software components built-in)

- 1. Opton original NC with the latest and leading-edge version The performance are fully appreciated in the markets with its installation made to all NC machines ex-Opton, in original or renewal employments.
- 2. 2000-plus C-Language software components are built in the controller. The software linkage are executed by TIF-SOT in PC
- 3. By entering either of time-chart of flow chart in the TIF-SOFT development tool, all necessary software components are automatically selected to execute tuning and display setting of NC motor ON/OFF, synchronous axial control of drives and sequence ON/OFF control as well.
- 4. Upon the evaluation of reliability of the products being finally completed installed to Opton machines in a few years time, this controller is going to be put available in the market through direct, agent and/or NC manufacturers
- 5. By configuring the display layout, relevant software linkage is automatically executed between operation and control.
- 6. This controller is employed to all Benders, 3D Profilers, Hydro-formers ex-Opton as its original or renewal feature. The performance increases remarkably higher market reputation for easier iconization, speedy control, LAN, Failure-finding and customization



TIF-IN software (for creating software)

Necessary software components are properly selected out of 2000+ of those stored as are demanded by time chart/ flow chart, and are automatically set lined for valid function.

TIF-TUN software (for tuning)

This executes servo-tuning, parameter setting, conversion monitoring, debug-support etc that are activated by TIF-IN software.

TIF-MMI software (for display setting)

Upon setting of switching, lamp, part selection, layout and color setting, control-software and operation software becomes automatically connected.

TIF is installed to all renewal machines. Machinery of 20 years in service now turn to those of the latest version and performance. Once TIF is built-in, the machinery is enhanced to that of highest performance capable of interfacing to profiler, world-wide communication network for the first class service in another decade time.