



ASIAN PLASTIC MACHINERY CO., LTD

ISO 9001/14001

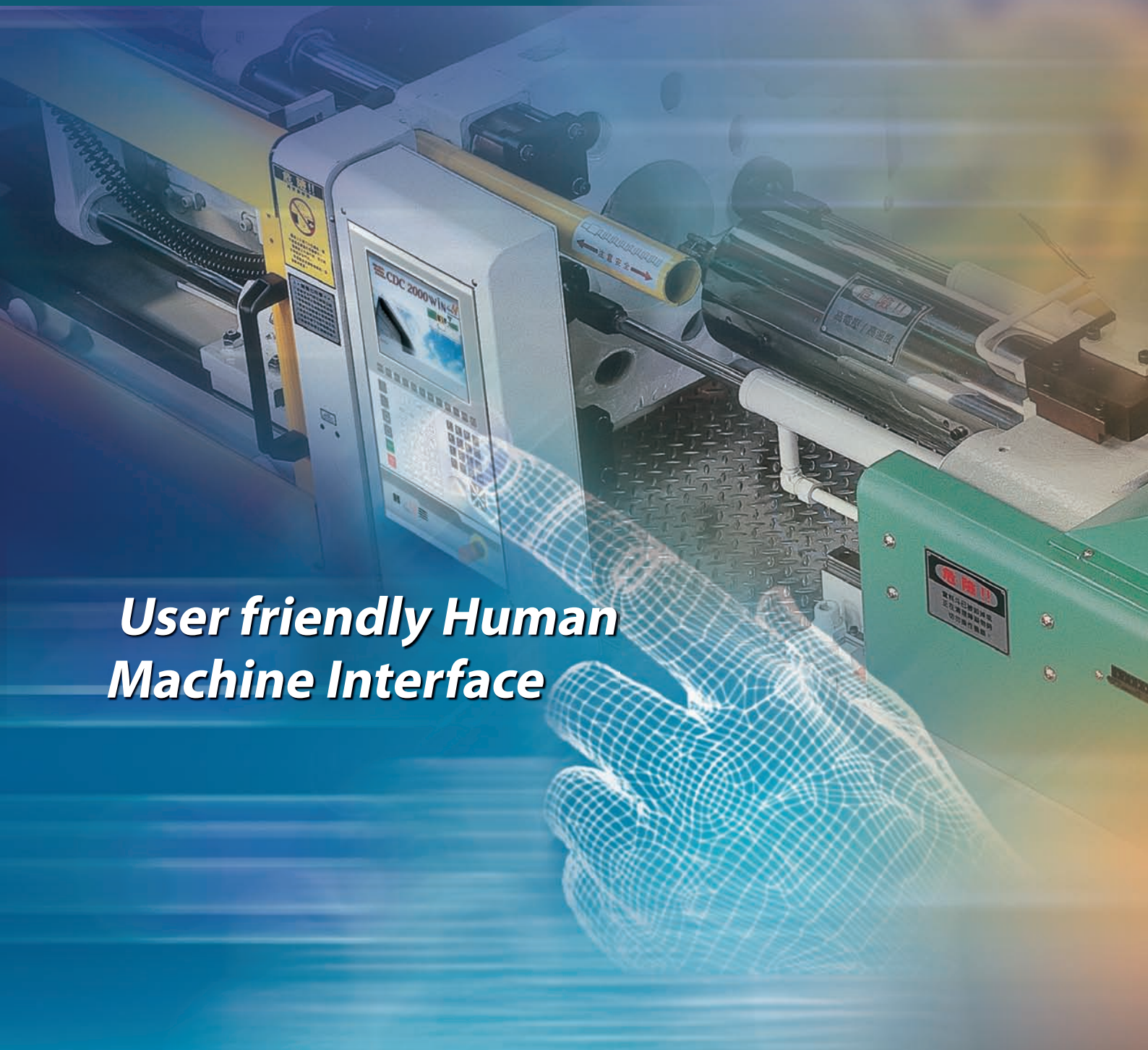


**State-of-
the-art**

CDC2000 win

Japanese Made Controller (PNP system)

**User friendly Human
Machine Interface**



Innovation

Remote Monitoring Remarkable Speed



- ▲ With WINDOWS CE OS, access levels with different passwords to prevent inappropriate set up changes.
- ▲ Multilingual interface (Chinese, English, etc) with Metric-English conversion to fit every region's user interface.
- ▲ Equipped with 10.4"(TFT)VGA color display, which is completely compatible with PC Desktops. Graphics Display with HELP menu to make troubleshooting and operating easier.
- ▲ With 100 sets of mold memory, processing conditions can be saved either within internal ROM or external drives.
- ▲ With USB ports at the operating panel, mold data and quality information can be saved in portable devices.
- ▲ Metric-English conversions for pressure (kg/cm²), plasticizing speed, injection speed(mm/sec)and temperature(°C). (Percentage set up is optional.)



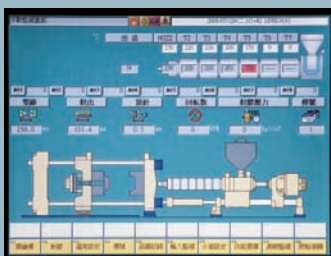
CDC2000WIN user interface utilizes 10.4"(TFT) color display.



PID mold temperature control module(optional)up to 64 zones possible.



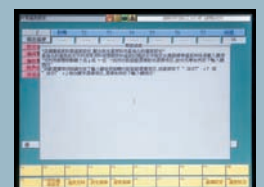
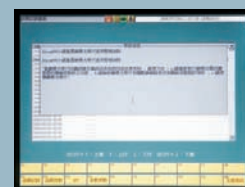
CDC 2000WIN controller utilizes WINDOWS CE OS



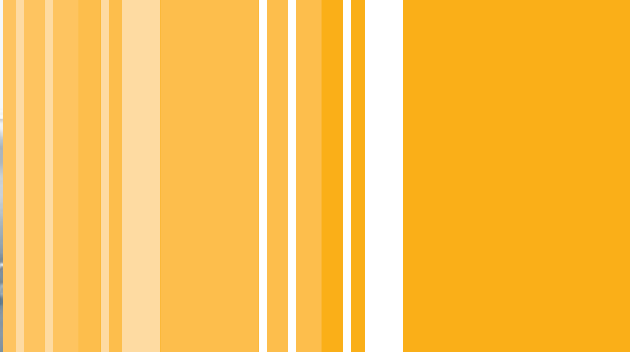
- ▲ PID barrel temperature control, accuracy of $\pm 1^{\circ}\text{C}$. Nozzle PID control (optional)
- ▲ Cold start protection of the screw with alarms for high- or low- temperature deviation.



- ▲ Alarm messages stored in internal RAM, with HELP menu for easy troubleshooting.
- ▲ Machine's malfunction and Alarm messages can be saved up to 1,000 sets.
- ▲ Parameter set up modification can be saved up to 1,000 sets.

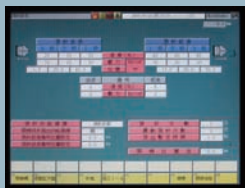
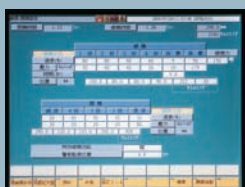


- ▲ HELP menu on each page to facilitate training and decrease operator fault.



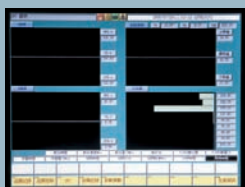
Injection Control

- ▲ With multiple injection speed and pressure control, choices of 6 stage injection and 4 stage holding or 10 stage injection and 10 stage holding to facilitate parameter set up.
- ▲ Injection pressure (kg/cm²) and injection speed (mm/sec) are adjusted in real values suitable for all kinds of high-precision injection. (Percentage set up is optional)
- ▲ Injection speed and pressure are shown in graphics and comparisons can be made for easier parameter modifications.
- ▲ Injection cushion and leakage can be detected during injection.
- ▲ Switch from injection to holding pressure will be done by either time or position. (By pressure is optional)
- ▲ Multi stage plasticizing RPM and pressure control. Parameters can either be 4 stages or 8 stages, with digital back pressure control for stable plasticizing and user friendly operation.
- ▲ Plasticizing pressure (kg/cm²) and speed (rpm) are set up in real values suitable for all kinds of high-precision injection. (Percentage set up is optional.)
- ▲ Decompression before and after plasticizing function.
- ▲ Automatic purge function.



Clamping Control

- ▲ Clamping-injection employs high-precision rotary encoders. Linear transducers are optional.
- ▲ Mold opening and closing can be set up according to the features of the molds with either 4 stage clamping and 3 stage opening or 6 stage clamping with 5 stage opening.
- ▲ With low-pressure protection system to protect molds.
- ▲ Automatic mold height adjusts with clamping force set up.
- ▲ Ejector stroke thru linear transducers for easy set up of ejector pull back position.
- ▲ Multiple ejection, shake ejection and ejection pause are possible. (Shake ejection is optional.)
- ▲ 3 stage ejector forward and backward control.
- ▲ Automatic lubrication and periodical maintenance reminders for longer machine service life.
- ▲ Ejector on the fly. (Optional.)



SPC Functions

- ▲ 13 bar charts for Quality Monitoring.(X bar.)
- ▲ 13 bar charts of standard deviations of quality variables.(R bar.)
- ▲ 13 quality variables set up with alarm for standard values coinciding with the quality tolerance values.
- ▲ Real time injection speed and pressure curve.
- ▲ 1000 sets data of modifications of set up values can be traced via access levels.

Added Functions

- ▲ Automatic lubrication activation and alarm function.
- ▲ Built-in mold temperature control interface with the most at 64 zones.
- ▲ Euomap 12 or 67 connection available (Optional.)
- ▲ Multiple valve gate control available (Optional.)
- ▲ Ancillary equipment on / off signal via timer (Optional.)



Classification	Specification	Model
User Interface	Operating System	Windows CE
	Size	10.4" TFT LCD
	Keyboard	62 hard keys+2 ports of external extehdable hard keys
Controller	Distribution	External Sources
	Voltage Range	AC 85~265V : DC 110~370V
	Frequency	47~440HZ
Base Board	Numbers of Socket	9 (max)
Main Board	USB	2 (Standard)
	Internet	1 (Under Development)
	Printer Interface	1 (Under Development)
	Resolution	10.4" (800 x 600 256 color)
	CRT Interface	1 (Standard)
	PS2 Keyboard Interface	1 (Standard)
	RS232 Interface	1 (Standard)
	Adjustment	Linear Regulation with Software
Temperature Control Card	PLC Cycle Time	1ms
	Temperature Control	PID control
	Total Zones	7 (Standard)
	Heating Zones	7 (Standard)
	Oil Temperature Zones	1 (Standard)
	Thermocouple Type	K type
Analog Input	Output	SSR
	Input	4
	Max. of Extendable Ports	8
	Pressure Control	0~10V
	Resolution	16 bit
Analog Output	Modification	Linear Regulation with Software
	Output	4
	Max. of Extendable Ports	8
	Pressure Control	0~10V
External Input	Modification	Linear Regulation with Software
	Numbers of Input Ports	32
	Max. of Extendable Ports	64
External Output	Nominal Voltage	DC24V
	Numbers of DC Outputs	32
	Max of Extendable Ports	64
	Numbers of Auxiliary Output	5
	Power Supply Fuse	3A
Axial Direction	Pulse	2
	Encoder	2



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