

# SG101

For Injection Molding Machine



- Rich elegant graphics, color 10.1" HMI wide screen for enhanced user interface.
- 16.2 million-colors, 1024\*600 resolution, 119 pixels/inch clarity.
- WiFi/IoT enabled for remote monitoring, daily report management and in-depth SPC analysis
- Visually appealing real-time presentation of machine parameters like cycle times, digital inputs & outputs, flow, pressure, zone temperature, scale reading, hourly production & energy consumption.
- x32, x40 or x64 Outputs interface capability, based on machine demands.
- Super ease to use MMI interface
- Programmable on-field digital & proportional outputs for each machine execution stage.
- USB port for remote reprogramming, data transfer, machine calibration etc.
- Built-in Interface for Pressure Transducer, Blowers, Encoder & Energy meter.
- Optional SD card storage facility for last 10-year machine shots data, set data changes & errors.

## MMI TECHNICAL SPECIFICATIONS

HIGHLY INTEGRATED 3-PIECE SYSTEM	SYSTEM CONFIGURATION	HIGHLY INTEGRATED 3-PIECE SYSTEM
10.1"	SCREEN SIZE	5.7"
1024*600	SCREEN RESOLUTION	640*480
32-BIT ARM-CORTEX M3 EMBEDDED PROCESSOR	CPU CORE	32-BIT ARM-7 EMBEDDED PROCESSOR
LED-TYPE, DIGITALLY CONTROLLED CONTRAST	LCD BACKLIT	LED-TYPE, DIGITALLY CONTROLLED CONTRAST
64-WITH LED INDICATION FOR DIRECT FUNCTION CALL KEYS	NO. OF KEYS	55-WITH LED INDICATION FOR DIRECT FUNCTION CALL KEYS
1000 TIMES/SEC (~1MSEC)	MACHINE SCAN TIME	400 TIMES/SEC (~2.5MSEC)
1000 TIMES/SEC (~1MSEC)	MMI SCAN TIME	1000 TIMES/SEC (~1MSEC)
150	NO. OF MOLD PROGRAMS	120
1XUSB(2.0), 1XETHERNET OR RS232	COMMUNICATIONS PORTS	1XUSB(2.0), RS232
UTP CAT 6 CABLE, WITH REMOTE INTERFACE UPTO 5M	I/O BOARD INTERFACE	UTP CAT 6 CABLE, WITH REMOTE INTERFACE UPTO 5M
2GB, DATA RETENTION FOR MACHINE LIFETIME	HISTORY DATABASE MEMORY	2GB, DATA RETENTION FOR MACHINE LIFETIME
ELEGANT AESTHETICS, ABS BLEND ENCLOSURE, RUGGED-BUILD WITH SHOCK ABSORBING LINING	ERGONOMICS	ELEGANT AESTHETICS, ABS BLEND ENCLOSURE, RUGGED-BUILD WITH SHOCK ABSORBING LINING



**Vignan Electronics (P) Ltd.**

*Imagine. Inspire. Automate.*