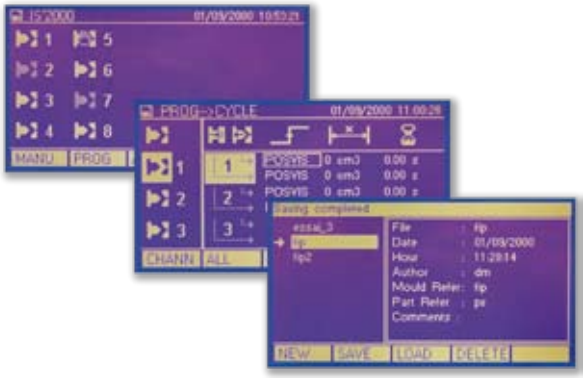
CONTROL SYSTEM FOR SEQUENTIAL MOULDING

IS'2000



PROGRAMMING

- Integrated multilingual user interface (keyboard, function keys, blue backlit screen), for the following functions:
  - Programming movements of valve gates
  - Load / Save 16 sequence files
  - Manual operation of valve gates
  - Cycle count and display of cycle times

- Option : PC and Win'IS 2000 software under Windows offering further functions:
  - Offline programming (PC not connected to the control system)
  - Save sequence files on hard disk or floppy
  - Transfer sequence files from one control system to another
  - Display, print and analyze recorded data (Pressure curve, screw position curve opening / closing of valve gates...)

CONTROL

- 2 versions are available :
  - 4U high cabinet (picture) for controlling 4 to 12 valve gates
  - 9U high cabinet for controlling 4 to 20 valve gates

- Control of actual pin position (limit switches)

- Control of up to 5 openings / 5 closings per cycle

- Each movement can be individually triggered by one of the following signals:
  - On time as a delay from injection start and/or hold start.
  - Screw position in %, in mm, or in cm3.
  - Injection pressure (value)
  - External signals (0/1 and/or analogic) - (option)

Hot Runner Controls
Mould Temperature Control
Sequential Moulding
Production Monitoring

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CONTROL SYSTEM FOR SEQUENTIAL MOULDING

SAFETY

- Alarm output on potential free contact, activated in case of:
  - Failure of hydraulic pressure (not used if no external power pack)
  - Safety for injection : at least one gate must be open on cycle start and during cycle
  - Failure of control cards

- Alarm input from the press and/or from the hydraulic power pack.

CONNECTIONS

● Output command of valve gates Power 24V DC, maximum intensity 1.5A by channel	Harting, 2 pins 10A female
● Control of needle position - limit switches	Harting, 32 pins 10A male

Caution! the above connectors are doubled for 9U cabinet.

● Input signals	Harting, 16 pins 10A female

These inputs may also be wired on 4 BNC connectors.

● Alarms	Harting , 10 pins 10A female
● External signals	Harting, 16 pins 10A female
● Power supply	240V - 50/60Hz
● RS 232 C communication	Sub D, 9 pins

DIMENSIONS (mm)

● 4U high cabinet for controlling 4 to 12 valve gates	L534 x H216 x P470
● 9U high cabinet for controlling 4 to 20 valve gates	L534 x H436 x P470

PROTECTIONS

- Fuse 20A
- Circuit breaker 16A

9U high cabinet high
for 4 or 20 valve gates

S.I.S.E.

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