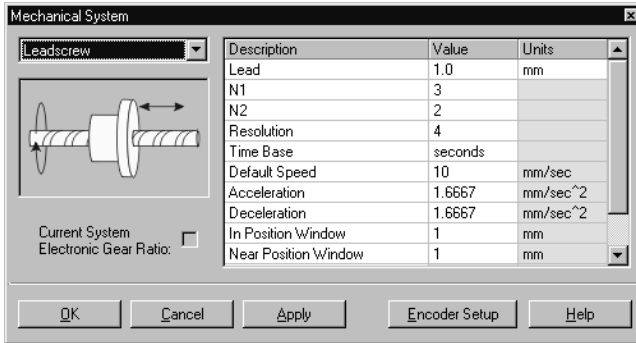


Index Works™ Utility Software Features

Time Saving Indexer Configuration Utility



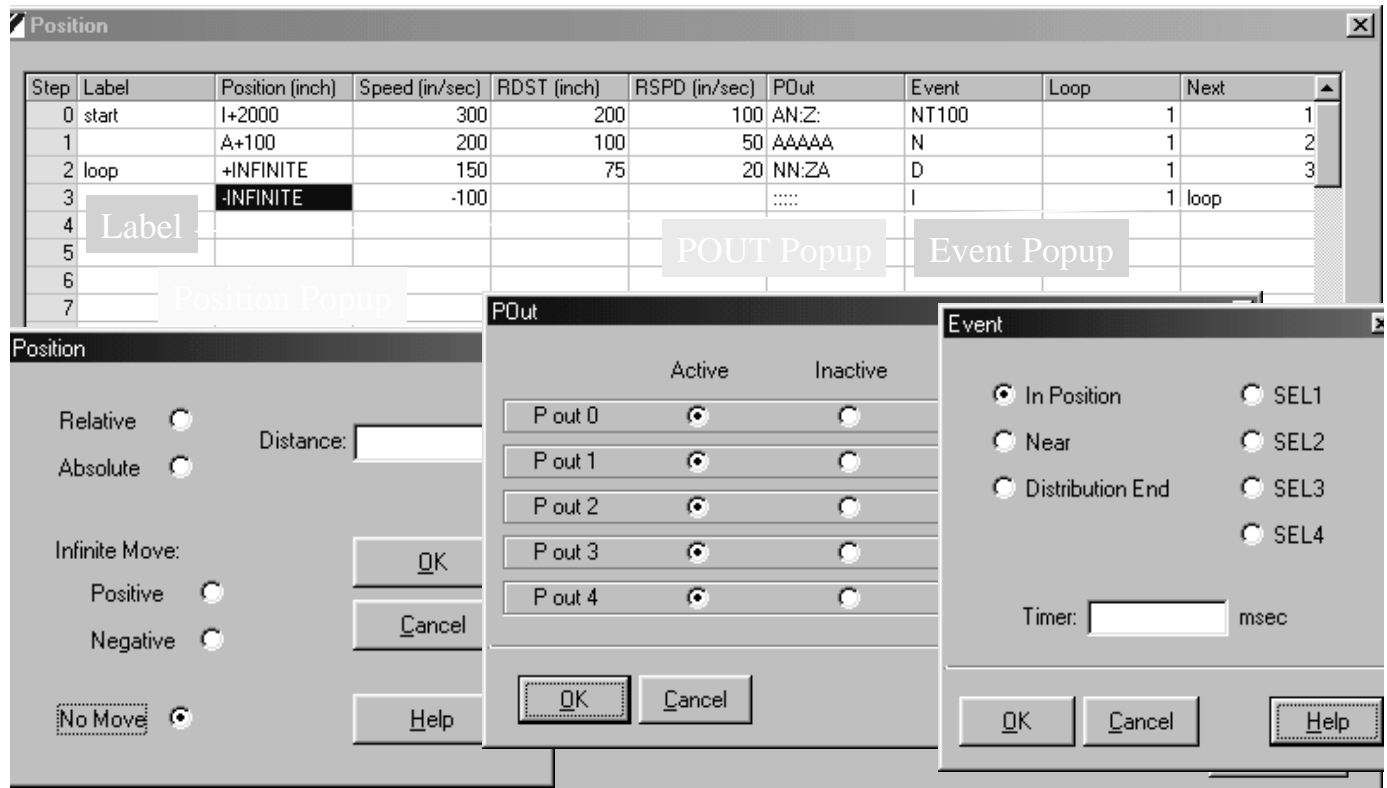
Fill-in-the-blank settings

- Machine setups, reference units
- The smallest definable increment of movement is based on the encoder count

No programming language requirements

Includes on-line monitoring and off-line setup capabilities

Position Programming



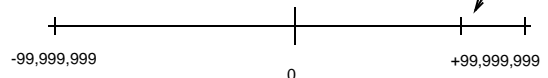
Zone Tables

ID	Lower (mm)	Upper (mm)	P0ut4	P0ut3	P0ut2	P0ut1	P0ut0
0	25.0000	50.0000	Inactive	Inactive	Inactive	Inactive	Inactive
1			Inactive	Inactive	Inactive	Inactive	Active
2			Inactive	Inactive	Inactive	Active	Inactive
3			Inactive	Inactive	Inactive	Active	Active
4			Inactive	Inactive	Active	Inactive	Inactive
5			Inactive	Inactive	Active	Active	Active
6			Inactive	Inactive	Active	Active	Inactive
7			Inactive	Inactive	Active	Active	Active
8			Inactive	Active	Inactive	Inactive	Inactive
9			Inactive	Active	Inactive	Inactive	Active

Overtravel Configuration

Position Range (reference units)

Software end-of-travel



Pn	Description	Value
Pn819	OT Stop Method	Servo OFF
Pn81A	Motion Method	Linear
Pn81B	Forward Position Reference Limit (cm)	9999
Pn81C	Reverse Position Reference Limit (cm)	-9999

Settings and Parameter Editor

Pn	Description	Value
Pn100	Speed Loop Gain (Hz)	50
Pn101	Speed Loop Integral Time Constant (0.01ms)	2001
Pn102	Position Loop Gain (1/s)	40
Pn103	Inertia Ratio (%)	0
Pn107	Bias (r/min)	0
Pn108	Bias Width Addition (Reference Unit)	7
Pn109	Feed-forward (%)	0
Pn10A	Feed-forward Filter Time Constant (0.01ms)	0
Pn110	Online Autotuning Switches	16
Pn401	Torque Reference Filter Time Constant (0.01ms)	100

Enable Notch-Filter Notch-Filter Frequency Hz

Homing Routines

Pn	Description	Value
Pn823	Zero Point Return Method	DEC and C-Phase
Pn81D	Zero Point Position (cm)	0
Pn824	Zero Point Return Direction	Forward
Pn825	Zero Point Return Run Speed (cm/sec)	10.0000
Pn826	Zero Point Return Approach Speed (cm/sec)	10
Pn827	Zero Point Return Creep Speed (cm/sec)	10
Pn828	Zero Point Return Final Run Distance (cm)	0

Motion Diagnosis

Monitoring

Alarm

Poll for Alarms

Current Alarm: [None]

Reset Alarm [] System Reset []

Panel Display: **BB**

Status Code: **BB**

Alarm History [Clear History]

Alarm	Status Code	Panel Display
1	NONE	NONE
2	NONE	NONE
3	NONE	NONE
4	NONE	NONE
5	NONE	NONE
6	NONE	NONE
7	NONE	NONE
8	NONE	NONE
9	NONE	NONE
10	NONE	NONE

Stop Monitor [] Polling Time [1.5] seconds [] Exit [] Help []

Monitoring

Alarm

Input Status

- SGDH
- /S-ON, Pin 40
- Unused
- /P-OT, Pin 42
- /N-OT, Pin 43
- /DEC, Pin 44
- /RGR1, Pin 46
- Fixed @ 0

NS600

- /MODE0/1, Pin 3
- /START-STOP-/HOME, Pin 5
- /PGMRES-/JOGP, Pin 7
- /SEL0-/JOGN, Pin 9
- /SEL1-/JOG0, Pin 11
- /SEL2-/JOG1, Pin 13
- /SEL3-/JOG2, Pin 15
- /SEL4-/JOG3, Pin 17

Output Status

- SGDH
- /ALM, Pin 31,32
- /V/RN, Pin 25,26
- /BK, Pin 27,28
- /S-RDY, Pin 29,30
- /AL01, Pin 37
- /AL02, Pin 38
- /AL03, Pin 39
- Fixed @ 0
- /NPOSITION, Pin 19,20
- /POUT0, Pin 21,22
- /POUT1, Pin 23,24
- /POUT2, Pin 25,26
- /POUT3, Pin 27,28
- /POUT4, Pin 29,30
- Unused

Motion & Status

Encoder Counts Current Position: 0 cm

Machine Units Current Motor Position: 0 cm

Status Flags:

- In Position: 0 cm
- Near: 0 cm
- Reference Position Complete: 0 cm
- Free Hold: 0 cm
- Program Operation: 0 cm/sec
- Current Limit Active: 0 cm/sec
- Main Power On: 0 % of rated torque
- Following Error: 0 cm
- Target Position: 0 cm
- Distance to Target: 0 cm
- Registration Position: 0 cm
- Distance to Registration: 0 cm
- Motor Speed: 0 cm/sec
- Speed Reference: 0 cm/sec
- Torque: 0 % of rated torque

Stop Monitor [] Polling Time [1.5] seconds [] Exit [] Help []

JUSP-NS600 Indexer