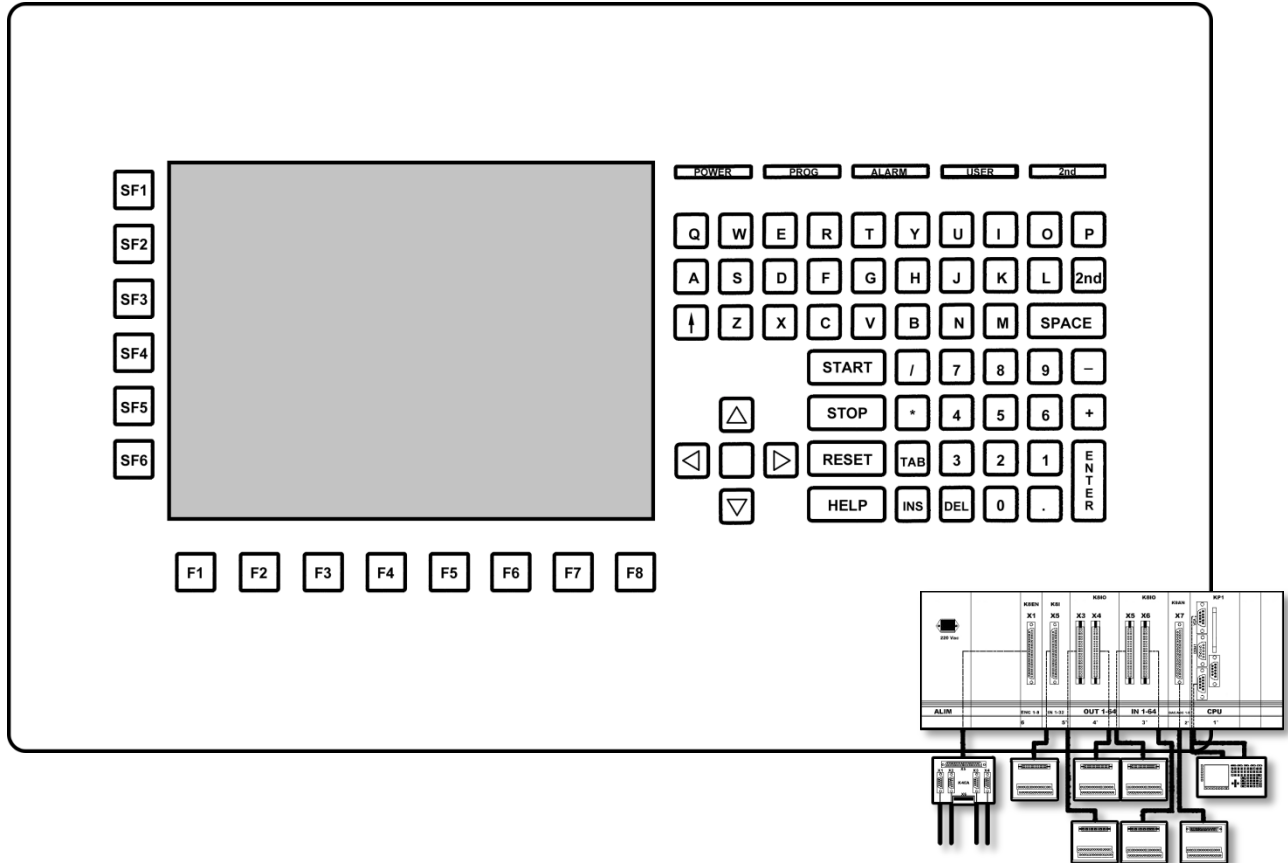# KSE PCA/rtPCA

16-AXES ISO CNC

VARIOUS VERSIONS

Description

Flexible and modular CNC controller with graphic display and QWERTY keyboard. This controller can match the most demanding needs of automation up to 16 axes. CPU and board hosted in separated cabinet. Suitable for multiple axes systems and machine-centres; the ISO programming language makes it a perfect solution for complex applications. Can be connected to other controls through Profibus, Ethernet and as master/slave of PLCs. Axes and I/Os controlled by the built-in PLC.

Technical details

COM Ports: 2 RS232/RS422/RS485

Video output: VGA

RTC: integrated RTC

Power supply: 220V

Keyboard: IP65 QWERTY + 14 general function keys + 9 dedicated keys.

Display: LCD TFT

DAC/ADC: rack unit; 14 bit

Digital I/O: rack unit; 64 INPUT/32 OUTPUT

Incremental Encoder: rack unit; bus 5V line driver 400kHz 32 bit.

SSI Encoder: rack unit; up to 25 bit cod. gray.

PLC: integrated

PROFIBUS: rack unit

CAN BUS: rack unit

Dimensions/weight

Control panel:

WxHxD	540x330x65mm – 21.3"x13"x2.6"
Weight	5,5kg – 12.13lbs

Cabinet:

Depth with connectors	330mm – 13"
42TE:	271x130mm – 10.7"x5.12"
60TE:	328x130mm -13"x5.12"
84TE:	451x130mm -17.8"x5.12"
Weight:	Variable with configuration

KSE ELETTRONICA

CNC Controls - INDUSTRIAL AUTOMATION – RETROFITTING

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KSE PCA/rtPCA

16-AXES ISO CNC

VARIOUS VERSIONS

SW versions

ISO: ISO interpreter

2AS: application for 2 synced axes/2 closed-loop axes.

3AC1AA: 3 closed-loop axes, 1 open-loop axis application for cutting line with 6-station transfer.

8AA: application for 8 open-loop axes.

A7TF: 2x3 closed-loop axes application for roll-feed + transfer, 1 closed-loop axis for unstacker with electronic cams.

AVRZTF: zigzag press roll-feed with electronic cams with Z-B + C-Q axes.

CFA88: 8 coilers + 8 rolls application.

FORAC: Boring-machine + manifold driller + puncher application.

FORC_Z: hairpin bender application.

FORACOL: 3 closed-loop axes, 1 rotating open-loop axis, 1 spindle application.

LFM3: nipples cutter + bender, 3 tracks, 3x2 closed-loop-axes application.

LTS: cutting + punching line application.

LTSL: cut + punch + circular saw blade application.

LTSO: cutting + punching line with measures optimization.

MEO: push + pull electric horizontal spindle + 2 check benches.

MIV_C: hydraulic, vertical spindle application with B-axis feeder.

MIV_CA: hydraulic, vertical spindle application with B-axis feeder.

MIV_CA2: hydraulic, vertical spindle application.

PB: 3-axis application for battery bender.

TRB: synced turning cut line application.

WALL: boring line application.

Uses

- ISO program.
- Cutting – punching line with/without automatic blade positioning.
- Synced rotating cutting systems.
- Paper coils (up to 8 rolls).
- Press transfer.
- 5-axes + additional axes palletiser.
- Special transfer line.
- Custom solutions.

Notes

Free AWL SDK.

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