

SPECIFICATIONS

Handpads

NEE HANDPAD RANGE

NEE Controls now offer a range of manual handpads, each one designed to provide the operator with the level of remote control needed for their particular application.

Beluga: Entry Level

The Beluga manual handpad allows fine positioning of an axis to be achieved remotely from the controller, allowing the operator to get close to the tool and still have fine positional control.

The handpad takes its power supply from the controller, with a power LED indicating whether the device is active.

Handpad accessories

The Beluga is encased in a standard toughened plastic enclosure. For a small additional cost we can supply a hook set with optional magnet to allow ease of locating and storing the handpad.

Pendant: Intermediate Level

(Hand held control panel with pulse wheel)

The pendant HMI provides the operator with functionality to allow complete job set-up to be achieved without the need for a display. It has been developed to provide a significant level of functionality, remotely from the controller. This functionality includes:

- Integral dual channel emergency STOP switch.
- Pressure sensitive jog keys for up to 6 axes, speed proportional to pressure.
- Pulse wheel for precise machine axis positioning.
- Continuous or incremental jog.
- Execution start, stop and abort buttons.
- Tool selection and setting of length.
- Set and go to job origin.
- Control state of outputs 1 and 2 with status indication
- Feedrate override potentiometer, feed hold to 150% of programmed feed.
- LEDs are used to represent the current mode of operation as well as the status of outputs 1 and 2.
- The handpad takes its power supply from the motion controller, a power LED indicating its state.

Functionality

- an axis selection dial
- a digitise switch
- a handwheel
- a run/next and stop switch
- a fast/slow jog mode selection switch

Dimensions:

- Length - 220 mm
- Width - 116 mm at the top and 85 mm at the bottom
- Depth - 50 mm



Handpad accessories

The Pendant is encased in a toughened plastic enclosure. For a small additional cost we can supply a hook set with optional magnet to allow ease of locating and storing the handpad.

Dimensions

The Pendant Handpad is supplied in a plastic IP65 rated enclosure of the following dimensions:-

- Length - 275 mm
- Width - 130 mm
- Depth - 80 mm

Remote Graphic: High Level

(Hand held control panel with graphics display and pulse wheel option)



A remote graphic handpad is available for AMC4 and AMC-B controllers. Single labelled keys are used to select many machine functions. A simple, intuitive menu structure allows all of the many features to be selected using three soft keys. In addition the graphic display is used for job verification and status reporting.

The remote graphics handpad is supplied in an ABS enclosure. This handpad may be operated up to 15 metres from the controller to which it is connected by a single shielded cable.

Standard features include:

- Integral dual channel emergency STOP switch and Drives On button.
- 4 pressure sensitive jog keys.
- 64 x 256 pixel graphic display.
- All 21 keys on the AMC4 standard front panel are emulated plus 6 keys for additional custom functionality.
- Optional pulse wheel for precise machine positioning.
- Custom front panels are available for OEM's.

Dimensions:

- Length - 270 mm
- Width - 200 mm
- Depth - 40 mm

Technical Specifications

HANDPAD RANGE

Control panel/manual handpad type	Remote Graphics Handpad	Pendant	Beluga
No. of keys or switches	29	13	5
No. of pressure sensitive Jog keys	4	6	0
Additional Custom keys	6	None	None
Emergency Stop pushbutton	Yes	Yes	Yes
Pulse wheel for precision positioning	Option*	Yes	Yes
Graphic Display	Yes	No	No
No. of Status LEDs	0	14	2
Feed Rate override rotary potentiometer	No	Yes	No
Digital Feed Rate override	Yes	No	No
Analogue Output/Spindle Speed key(s)	Yes	No	No
AMC Output control keys	2	2	0
Start execution	Soft Key	Yes	Yes

* Extra cost option

Control panel/manual handpad type	Remote Graphics Handpad	Pendant	Beluga
STOP execution	Soft Key	Yes	Yes
Abort execution	Soft Key	Yes	No
Set Home	Yes	Yes	No
Go Home	Yes	Yes	No
Tool Setting	Yes	Yes	No
Digitise (Teach) key	Yes	No	Yes
Single Step key	Soft Key	No	Yes
Axis jog rotary switch	Yes*	No	Yes
Fast/Slow jog speed switch	No	No	Yes
Customer specific inlays	Yes*	Yes*	Yes*
Cable length	15m (500m*)	15m (500m*)	15m (500m*)

Compact handpad

Also available is the new Compact handpad. Please refer to the AMC-A datasheet for details.



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