

TELEMARK

Model 396/398 Pocket Indexer



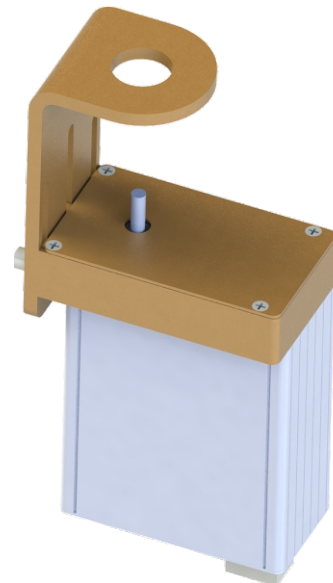
- Color LCD touch screen for graphical and numerical display, providing an intuitive and user friendly operator interface
- Material names can be displayed on the screen
- Can index up to 30 pockets
- No clutch needed for pocket jams due to automatic motor current sensing
- Includes Rotary, Banana and Continuous modes.
- Mounts available for 1 inch bolt, 1.25 inch bolt, and 2-3/4" CFF"
- Speed control from 0.25 to 5 rpm
- Remote pocket selected by optically isolated inputs, up to 6 direct and up to 30 binary (software selectable active or passive)
- Relay isolated outputs In position up to 6 pockets directly and up to 30 pockets using binary, Mode signal and General In position signal
- The 396 model is for standard EB sources, the 398 is for the 295 EB source

Included Features:

- The indexer can be set up to rotate the shortest distance to the desired pocket
- The indexer can be set up for bi-directional operation, providing automatic recovery from pocket jams by reversing and approaching from the opposite direction

Optional Feature:

- The In-vacuum Pocket Number Switch provides confirmation of pocket location (see back of brochure)



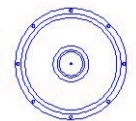
Crucible Types



Pocket



Banana

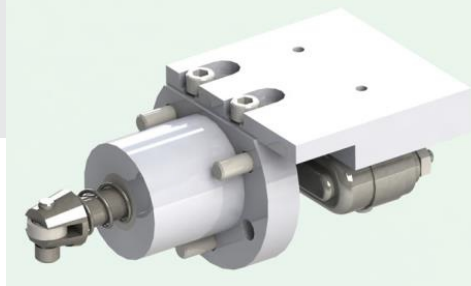


Continuous

Specifications

Number of pockets	4 to 30
Controller dimensions	19 inch rack 2U, 3 1/2" high x 9 3/8" deep
Motor Assembly Dimensions	6.40" (162mm) x 4.60" (117mm) x 2.50" (64mm)
Inputs	8 optically isolated, active (4 to 24V DC or AC), or passive (contact closure)
Outputs	8 relay contacts NO/NC @ max 1A, 24 DC or AC
Power Input	90-260VAC, 50-60 Hz

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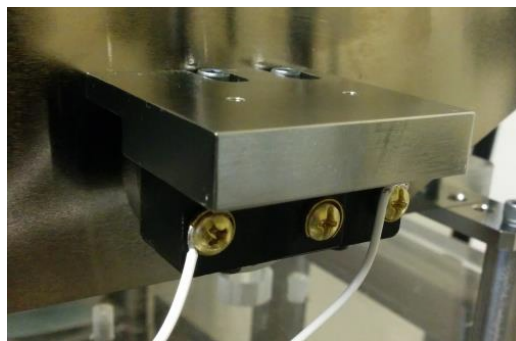
Optional In-vacuum Pocket Number Switch

Optional in-vacuum in-pocket confirmation kits are available for Telemark source models 271, 274 and 294. When enabled from the touch screen, the software will check that the crucible is in-pocket and count the number of pockets it goes past. This provides confirmation to the optical encoder and home switch inside the motor assembly to make sure that no slippage has happened between the motor assembly and the e-beam source.

This requires an e-beam source bearing housing (hub) that matches the number of pockets in the e-beam source crucible and two pins on a feedthrough.

The switch assembly mounts in the empty side drive hole on the side arm. This only works with "CW Rotation" and "CCW Rotation".

Supplied Kapton wires are wired to the "comm" and "normally closed" terminals of the switch and to an electrical feedthrough. The atmosphere side is wired to the supplied cable that comes with a 9 pin D connector, which is plugged into J3 of the motor assembly.



In-vacuum In-pocket Home Switch Installation