

10 HP Over Varnish Motor Drive Upgrade Kit

for Stolle Rutherford Decorators with NEMA frame motors

Stolle is offering an upgrade kit with a variable speed 10 horsepower NEMA frame motor for driving the over varnish applicator on Rutherford Decorators. The upgrade kit includes an enclosure containing a VFD for motor control as well as additional electrical components, a pushbutton enclosure to start and stop the motor, and an on-machine disconnect switch for disconnecting the motor power. Once installed, the OV applicator motor can be started and stopped independently of the main drive, and will provide the following functions at speeds up to 2,200 cans per minute:

- Independent VFD motor control for the varnish applicator
- Speed control allows for changing the amount of varnish overlap on each can
- Applicator idles when machine is stopped and agitates varnish
- Improves machine efficiency

The AC drive upgrade package is provided as a pre-wired sub-panel installed within a flange-mount NEMA 12 enclosure for the variable frequency drive with circuit protection and control relay for the applicator drive (sub-panel dimensions are 21" X 27" (W X H), enclosure dimensions are 24" X 30" X 10"). It also includes a motor drive conversion kit.

The part number for the NEMA frame motor upgrade kit is 222136347 for a newer style main support casting (6CD6-10-1), and the number is 222151882 for an older style main support casting (CMP-10-5).



Contents of Upgrade Kit:

- 10 HP varnish drive controls (222140572)
 - Hoffman flange mount enclosure
 - Allen Bradley Power Flex 753 (10 HP) VFD
 - Motor Circuit Protector
 - Safety Contactor
 - Two (2) each potentiometers for speed adjustment
- Flange mount pushbutton station (6" X 4") for applicator start/stop control (222127432)



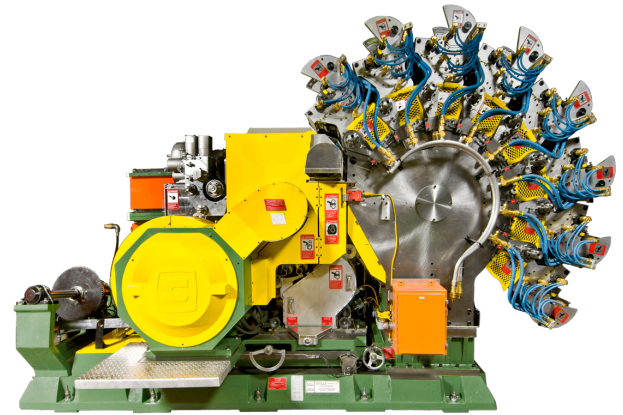
STOLLE MACHINERY

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Stolle Rutherford Decorators

Technical Update 1709-1



- Motor Varnish Drive upgrade kit
 - For machines with 6CD6-10-1 main support casting: 8CD6-A-335
 - For machines with CMP-10-5 main support casting: CD2-A-827
 - 10 HP Toshiba NEMA frame motor tropicalized (222099097)
 - Motor includes thermostat
 - NorthStar HS56 encoder for closed loop control
- On machine maintenance disconnect with aux contact for PLC monitor (222105140)

Customer Installation Requirements:

In order to successfully install the upgrade package, the following must be provided by the customer:

- Space for mounting 24" X 30" X 10" NEMA 12 flange-mount enclosure
- Main Drive Speed Reference 0-10VDC
- One (1) Drives Enable signal, normally open, zero potential
- Three (3) available inputs on existing control panel PLC (+24VDC sourcing inputs)
- Two (2) available outputs on existing control panel PLC (+24VDC sourcing outputs)

Power Requirements:

AC Power: Voltage: 380-480VAC, 50/60HZ
Current: 25 Amps @ 380VAC

DC Power: Available +24VDC control power and common

Temperature Ranges:

Operating: 0 to 50°C / Storage: 0 to 70°C

For more information about the 10 HP Over Varnish Motor Upgrade Kit for Stolle Rutherford Decorators, please contact Mark Santos at Stolle Centennial at +303-708-5173 or mark.santos@stollemachinery.com.

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