

<b>Printronic Technical Bulletin</b>	Number 5-0045	Revision A
	Product Type P5000	Date 12/04
<b>Subject</b> Introducing the P5000 Phase III SureStak Power Stacker	Originator Gary Gentry	Page 1 of 2

**Subject**

Around November 2002, a new power stacker design was introduced with features to address ease of use, reliability and serviceability. It is referred to as the Phase III SureStak Power Stacker.

**Information**

The table below identifies the problems that existed with the Phase I and Phase II Power Stackers and shows the enhancements that were designed into the Phase III Power Stacker to address these concerns.

**PHASE I/II Problems Identified**

**PHASE III Enhancements**

Limit Switches bend causing "chattering"	Replaced with Reed Switches p/n 204234-001
Timing Belt slips	Added Timing Belt Tensioner p/n 173818-001
Difficult to access paper supply/stack	Added Thumb Switch, Paper Tray, Paper Tent
Difficult access to Paper Tent handle	Added Slide-out Tray and "handled" Paper Tent
Frame misalignment due to use/service	Frame, Rail, Frame Bearing and Base more robust
Rear Control Panel hard to service	Control panel housing modified for easier removal
Print Compression problems	New Friction Washers and Compression Spring

**Important Note**

To ensure the best print quality when using the PIII Stacker, optimized step tables are available for CMX/CFX-based printers.

The minimum Flash software to use is 359517-001 – LP+/PGL/VGL, V3.14F.

PPC PSA3 Printers have no minimum software requirement.

**Reference**

For Complete Detailed Information on Phase I and II Stackers including Illustrated Parts Breakdowns, please reference **164253-001F - Maintenance Manual, P5000.**

For Complete Detailed Information on Phase III Stackers including Illustrated Parts Breakdowns, please reference:

**175455-001B - Maintenance Manual, P5/10/15**

**173843-001C - Maintenance Manual, P5220D/P5224D**

**176475-001B - Maintenance Manual, P5220S/P5X0XH (PSA3)**

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**P5XXX SureStak Power Stacker Spares**

<b>Part Description</b>	<b>Phase II P/N</b>	<b>Phase III P/N</b>
Motor (Paddle, Elevator)	158446-001	158446-001
Motor, Drive Roller	173530-001	173530-001
Pulley, Timing Belt	163992-001	178058-001
Drive Roller Shaft Assy	158736-901	158736-901
Ground Clip, Dimpled	174457-901	175726-901
Paper Motion Detector, Power Stacker (Field Kit)	170289-001	170289-001
Sensor Assy, PMD	170295-001	170295-001
Field Kit, Limit Switch	170285-001	N/A
Switch, Reed, Limit SPST, NC	N/A	204234-001
Timing Belt	202716-001	202716-001
Rear Control Panel Assy.	158732-901	174780-001
Compression Spring	159425-001	176781-001
Power Cable, Power Stacker	174414-001	174414-001
Logic Cable, CMX/CFX	158444-001	158444-001
Logic Cable, PPC PSA3	N/A	176029-001
Anti-Static Brush	158313-001	158313-001
Pivot Arm Block, Power Stacker (Field Kit)	170306-001	170306-001
Constant Force Spring	202713-001	N/A
Spares Kit, Spring, Conforce	N/A	178839-001
Cable, Rail, Vertical, Stacker	158442-001	173823-001
LED, IR, T-1, 3/4	202727-001	202727-001
Photo, NPN. Rectifier	202728-001	202728-001
Tent, Paper, Power Stacker	173864-901	173864-901
Elevator, I/O Cable	N/A	174759-001
Frame Cable, Power Stacker	158445-001	173824-001

**P5XXX SureStak Power Stacker Field Replacement or Upgrade Kits**

Field Kit, Phase III Power Stacker	175273-001+
Field Kit, Full Conversion, PIII Power Stacker (PSA3)	177273-001*

+This kit is to be used for replacing or upgrading *existing* stacker printers to Phase III.

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\*This kit includes threaded inserts, a rear door and all cabling for CMX, CFX and PPC-based printers for conversion from a *non-stacker* printer into a stacker printer. Used also to replace an existing Phase I/II Stacker into a Phase III Stacker. Flash software and additional memory are not included in either kit.