



Product/Process Change Notification

PCN Number:	100038-A	Product Category:	Inking Hardware	Issue Date:	8/31/2022
Contact:	Inside Sales	E-Mail: insidesales@xandex.com			
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Description of Change to Customer:					
<p>New Micro-Z inker base design has been developed with increased resolution of both motorized and manual Z plane adjustment to allow more precise Z setup, a new Precision shuttle for improved dot geometry, highly repeatable dot placement, simplified shuttle maintenance and production of smaller ink dots. A new pneumatic controller design incorporating isolated cartridge and pneumatic air supplies, a new cartridge valve, and updated firmware has been developed for use with the new Manual and Motorized- Micro Z inkers. The Micro-Z Inkers will replace the existing Motor-Z Inker models, which will be discontinued.</p>					
Reason For Change:					
<p>As dot size requirements decrease, improved Z setup accuracy and reliable small dot production is required. A redesign of the inker and controller were required rather than modification of the existing Motorized-Z Inker and small dot Controller product offering.</p>					
Customer Impact of Change and Recommended Action:					
<p>There are functional changes to both the Pneumatic Inker Assembly and the Pneumatic Controller to increase Z plane adjustment resolution. New Micro-Z dot size settings may be different from the current Motor-Z product in order to achieve the same dot size. Inker swing arm and X-Y adjustment features have been removed from new Micro-Z inkers to improve stability and repeatability. Change in setup may be required. New Micro-Z Inkers and Controller are not backwards compatible with other inker and controller designs. Existing Motor-Z inker and controller models will become obsolete when new Micro-Z Inkers and Controller are released. See Key Milestones for product release schedule.</p>					
Forecasted Key Milestones: Subject to change based on business conditions					Date:
Complete Internal Qualification Testing					3-Oct-22
Samples Available To Order					14-Oct-22
First Shipment of Changed Product (as early as)					1-Mar-23
Last Shipment of Unchanged Product (subject to material availability)					28-Feb-23
Method of Identifying Changed Product:					
New Micro-Z inkers and Controller will have new model and part numbers.					
Assessment:					
Function changes: increased resolution of Z adjust, motor change, firmware change, new shuttle design					
Products and Xandex Part Numbers Affected					
See Appendix for complete product list to be discontinued.					
Revision History					
Date of Revision:	Revision Letter:	Reason:			
31-Aug-2022	A	Initial Publication			

Please contact your Xandex sales representative for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.

PCN 100038 Appendix: Qualification Testing

Test	Result
Functional	Pass
Application	In-process
Reliability	Pass



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Appendix: Parts & Sets affected by PCN 100038

Product	Current Product		Improved Product		Dimensional Drawing		Comments
	Part Number	Revision	Part Number	Revision	Document Number	Revision	
SET-CSP X1412 BASE MOTO Z CNTRLR	340-4112		NA			A	See Note 1
SM SET-INKER X4115 EG MOTO Z DETENT	340-4115		340-7120-01	A	900-7120	A	See Note 2
SET-INKER X4116 MOTO Z DETENT NO PUFF	340-4116		NA				See Note 1
SET-INKER X4215 KLA MOTOR Z DETENT	340-4215		340-7120-02	A	900-7120	A	See Note 2
SM SET-CSP INKER X4216 KLA MOTOR Z DETENT	340-4216		NA				See Note 1
SM SET-INKER X4217 KLA MOTOR Z DETENT NO PUFF	340-4217		NA				See Note 1
SM SET-INKER X4218 P8 MOTOR Z DETENT	340-4218		340-7120-04	A	900-7120	A	See Note 2
CONTROLLER 1	350-0018		350-0027	A	NA		See Note 3
CONTROLLER 2 NO PUFF	350-0022		NA		NA		See Note 1
INKER BASE	320-4215		320-7120	A	900-0226	A	See Note 2
					900-0224	A	

NOTES:

1. Contact Customer Service for replacement recommendations
2. Manual Micro-Z inker base is also available. Part number 320-7110-X, Dimensional drawing 900-7110
3. 350-0027 Micro-Z Small Dot Controller replaces all 350-0018 Motorized-Z controllers