

IOWA ENGINEERED PROCESSES

Cascade Deburring and Cleaning Processes

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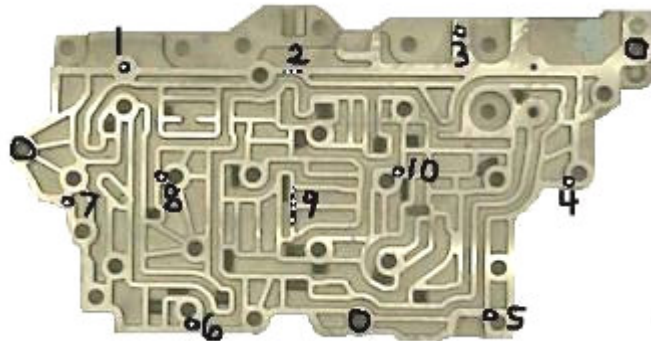
Iowa Engineered Processes Success Story: *Part Flatness*

THE PROBLEM: An auto parts manufacturing company submitted a bid to build transmission channel plates for a major automobile manufacturer. A critical production problem they were having was in maintaining part flatness after the deburring process. Various processes were unsuccessfully considered...shot blasting, ice blast and high pressure systems. These alternative processes were considered operationally expensive, inconsistent and did not correct the problem of warped channel plates.

THE SOLUTION: Prototyping was conducted on 100 channel plates using Iowa Engineered Processes' Cascade Cleaning and Deburring System. Fifty parts were randomly selected for flatness testing with results decisively showing that Cascade will efficiently, economically and consistently deburr the transmission channel plates while maintaining part flatness. The Cascade System will process 10 channel plates per each 60 second cleaning cycle.

Success by the Numbers: Sample of measurements taken. *Ask for complete results!*

Part # 7					Part # 8				
Point	Pre		Post	Change	Point	Pre		Post	Change
1	0.0002		0	0.0002	1	0.0002		0	0.0002
2	0.0002		0.0001	0.0001	2	0.0003		0	0.0003
3	0.0002		0.0002	0	3	0.0002		0.0001	0.0001
4	-0.0002		-0.0001	-0.0001	4	-0.0001		-0.0001	0
5	0		0.0001	-0.0001	5	0		0	0
6	0		0	0	6	0		0	0
7	0		0	0	7	0		0	0
8	0.0001		0	0.0001	8	0.0002		0	0.0002
9	0.0001		0	0.0001	9	0.0001		0	0.0001
10	0.0001		0	0.0001	10	0.0001		0	0.0001



Can you afford to not look at IEP's Cascade System? Free prototyping can answer your questions. Please contact us to begin the process. *"Providing solutions for your needs!"*

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