Prodigitm

Experience **Next Level Performance** in Die Automation Patent Pending



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Unprecedented Speed & Reliability: Are You Ready to Take the Reins?

Conventional thermal die bolts have long been proven to be an effective means of controlling the die lip gap to improve product thickness uniformity. The technology generally requires some manual pre-tuning of the die lip profile before the Automatic Profile Control (APC) system is engaged.

But what if this could be done faster... and safer?

The patent-pending EDI[®] Prodigi[™] motorized lip actuator system allows for full remote control of the die lip gap articulation, removing the need for any direct-contact tuning by a technician.





Increase Set-up Speed

Once your desired process parameters are established within the Prodigi[™] system, the saved recipe may be simply relaunched for your next production cycle.

The integrated programming automatically adjusts your die lips from their neutral (or last) position to the correct gauge profile configuration for the production run. The entire process is approximately 80% faster, taking only a few seconds compared to several minutes with traditional lip adjustment systems.



Gain Additional Stroke

The Prodigi[™] system features a series of motorized actuators that control the adjustment bolts. These actuators have an extremely wide range of stroke, meaning the system can traverse the entire useful flexible lip travel range without the need for any manual intervention.

A more precise product can be accomplished by fine tuning the cross-web distribution with such lip adjustments. When the product's profile changes with high or low spots, Prodigi[™] adjusts for optimal uniformity.



Achieve Optimal Repeatability

While repeatability is possible with traditional die adjustment systems, it's difficult to reach absolute consistency from production run to run. This is often due to a variety of factors that can impact how the thermal bolts react.

The Prodigi[™]system operates with computer-based programming, designed to save the exact location of each bolt during a production run. By collecting and storing this data for future production runs, the exact bolt positions can be easily repeated.



Boost Your Energy Savings

The integrated Prodigi[™] actuators operate at significantly lower temperatures than conventional, thermal expansion based auto-bolt translator blocks.

While standard thermal bolt heaters typically average 50% power demand during the entire production run, the ProdigiTM system uses little to no additional power after achieving steady state operation.



Improve Team Safety

The Prodigi[™]system is designed to be fully operational from a remotely controlled panel. This removes the operator or technician from the hot zone near the die surfaces and melt stream components.

The Prodigi[™] system is also safe for use in certain fluid coating applications, where solvents are being applied. The integrated motorized actuators are safe for use near solvent fumes and do not pose a risk for ignition.



Scan to Discover Your Return on Investment

Production Line Integration

The Prodigi[™] motorized lip actuator system may be easily integrated into any production lines where a new or retrofittable EDI[®] extrusion or fluid coating die is being installed.

The system is compatible with all major industry gauge scanning systems, regardless of their model or manufacturer.

For more details, please contact your local EDI[®] extrusion or fluid coating die systems representative.



Precision Technology Solutions. Every day, Everywhere.

Extrusion & Fluid Coating Dies

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