



TENSION SOLUTIONS

FOR BETTER PROCESS CONTROL



WHY IS TENSION CONTROL IMPORTANT?

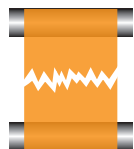
INADEQUATE TENSION CONTROL IS THE #1 CAUSE OF MATERIAL PROCESSING MISHAPS. SOLVING TENSION-RELATED PROBLEMS UNLOCKS BOTH PERFORMANCE AND QUALITY BENEFITS.

INCREASE PROCESS SPEED & CONSISTENCY

Eliminate material stretch, wrinkles, tension spikes and registration problems, allowing for increased speed and quality control.



STRETCH



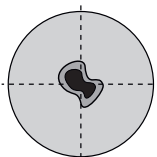
TENSION SPIKES



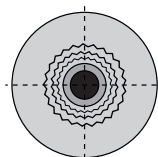
WRINKLES

REDUCE OR ELIMINATE WINDING DEFECTS

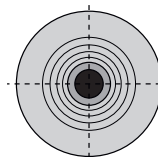
Web breakages, crushed cores, starring or telescoping can lead to higher scrap and labor costs. Most tension-related issues can quickly be resolved with a closed-loop controller. DFE tension controllers store up to 32 job profiles, enabling rapid recall of the settings optimized for each of your production runs.



CRUSHED CORES



STARRING



TELESCOPING

EQUIPMENT THAT ENDURES, FOR THE BEST ROI

DFE tension control products are designed and manufactured in the USA and backed by an industry-leading 5 year warranty. Under typical operating conditions, DFE load cells and controllers often last 15-20 years or more.

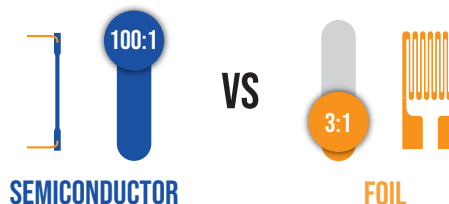
WARRANTY (YEARS)
DFE VS OTHERS



SIMPLE TO USE & MAINTENANCE FREE

DFE controllers are designed to be operated with minimal training and configuration. Touchscreen interfaces can be programmed in 60 seconds or less by answering a few, simple on-screen menu prompts.

All DFE amplifiers feature Quik-Cal™ digital push-button zero & calibration. Simply press to Zero the system, then hang the calibration weight and press Cal to lock it in.



The silicon strain gauge technology and dual cantilever design in all DFE load cells is the secret to their long life and high performance. DFE load cells are also designed to be maintenance-free. If failures occur outside of warranty coverage, repair services are available to extend equipment life further¹.

¹Repairability determined by component availability.



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PRINTING & PACKAGING
TEXTILES
TIRE MANUFACTURING
WIRE & CABLE MANUFACTURING



SYSTEMS ENGINEERED FOR YOUR APPLICATION

DFE applications engineers have extensive experience assisting controls engineers and mechanical designers to develop tension systems suited for a wide range of materials and processes. Their primary goal is to help you get the most out of your technology investment by developing solutions that scale properly to fit all of your needs.



REGIONAL SALES SUPPORT

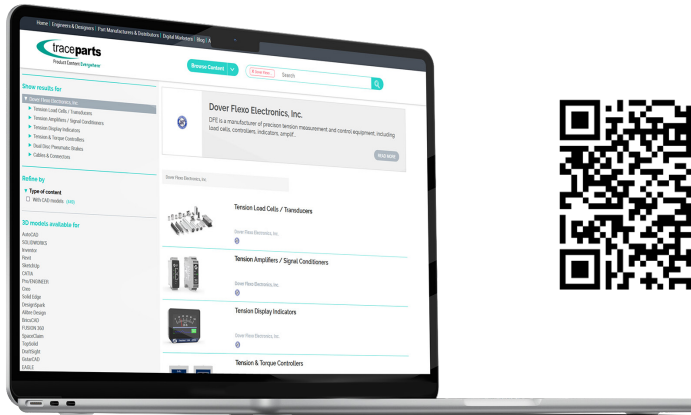
DFE's regional sales representatives are an important part of our customer support system. If you have a problem that must be seen to be understood, our rep organization is happy to lend their expertise with site evaluations and equipment recommendations. Their goal is to integrate application engineering and tech support together with you, to solve problems and ensure your factory's resiliency and efficiency.

PHONE: (603)332-6150 EMAIL: SALES@DFE.COM

CAD LIBRARY

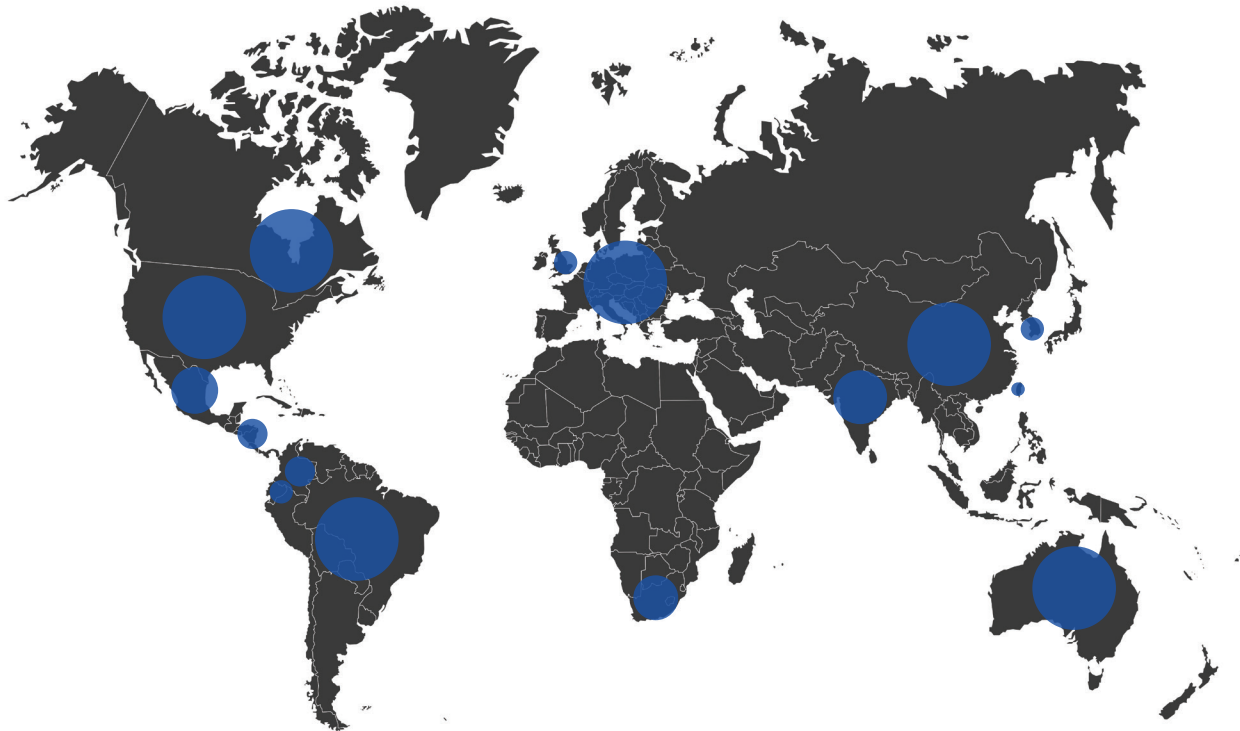
Download models of DFE products for free in over 60 native CAD formats.

<https://dfe.com/support-resources/knowledge-base/cad-library/>



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Engineered • Supported • Manufactured In The USA

