



Robust Designs Built for Demanding Environments

- Structures engineered for 'Infinite Life' using FEA Design Analysis
- Catalogued, premium-quality components from leading industrial suppliers (Parker hydraulic cylinders, Allen Bradley control components, Rexroth hydraulic components)
- Extensive duration testing ensures the machines are ready for production at installation

Advanced Controls Fuel Forming Productivity

Beckwood's stretch forming solutions feature a fully programmable control system offering state-of-the-art capability in an intuitive, easy-to-use package:

- Arm actuation (both position and speed) is fully programmable, allowing for both synched and independent actuation.
- Modern 'closed-loop' control system allows precise, repeatable tension and angle

control during operation: Arm Angle Control (+/-0.5 degrees) / Tension Force Control (+/- 2% of full scale).

- Accurate, uniform tension force throughout the cycle minimizes work-hardening, while a programmable post-load cycle minimizes material spring back.
- Built-in recipe functionality allows users to save proven cycle parameters for guaranteed repeatability and decreased set-up time, while a legacy manual control mode gives the operator direct control over the cycle profile during new part development.

Supplemental Technologies to Further Enhance Productivity

- Joggle ram adapter allows for the formation of joggle bends in the formed extrusions
- Pam-Stamp Forming Simulation Software allows for tooling, blank and process development digitally, before machine time and material costs are incurred

- Beckwood's On-Board Pre-Preventive Maintenance System uses closed-loop component and system monitoring to predict the need for machine maintenance – before unplanned downtime occurs
- Integrated barcode reader optimizes standard recipe handling capability, allowing the operator scan barcodes for auto-population of the previously-stored cycle parameters



Watch a stretch former in action:
<http://beckwoodpress.com/triform-presses/stretch-forming/>

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