



Increasing PRODUCTION RATES with High-Speed, Low-Maintenance Cylinders

SAFETY QUALITY SAVINGS GROWTH



Industry:
Food and Beverage

Application:
Crowns and Closure

Material Stamped:
Aluminum and Steel

Project Goal:
Low-maintenance force solution that could operate at high-speeds and produce consistently formed crowns and closures with low scrap rates

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Situation:

A crowns and closure stampings company was experiencing part forming issues, in addition to slower than expected production rates due to maintenance issues, impeding their growth objectives. The customer was searching for a force system to overcome wrinkling issues that could be easily maintained and handle an operating speed of more than 150 strokes per minute.

Solution:

HYSON's **Dyne-A-Lube** Pat. cylinders integrated into a hose and tank system delivered high force with dynamic lubrication, enabling the customer to overcome their forming and maintenance issues and increase production.

Dyne-A-Lube cylinders, available in manifold or hose and tank nitrogen systems, are available in high pressure and low pressure versions, from 1/2 ton to 8 tons of contact force. The patented lubrication system acts as a coolant for the system, lubricates the seals to remove the friction and heat, allowing for higher production speeds.



Result:

Easily integrated into the die, the custom-designed Dyne-A-Lube system delivered the force to overcome forming issues, the technology to meet speed requirements needed to increase **production rates**, AND the system longevity to **reduce the system repair cost**.

Customer Impact:

- ✓ **Safety:** Rupture disc assures protection against over pressurization
- ✓ **Quality:** Consistent part forming
- ✓ **Cost Savings:** Reduced downtime
- ✓ **Cost Savings:** Reduced scrap
- ✓ **Growth:** Higher production rates (150+ SPM)