

# Stolle Conceptor Bodymaker

## CANCEPTOR®

PRODUCT INFORMATION

The Stolle Conceptor is a next generation bodymaker for the high speed production of 2-piece D&I beverage cans.

The revolutionary design of the machine includes many time and maintenance-reducing features that increase versatility and lower operating costs. It is the perfect choice for canmakers who need to produce multiple can sizes on a single can line, and want the most cost-efficient bodymakers with the latest controls, machine sensing and diagnostics.

**One-piece cast frame** – the drive box, bed, T-blocks, primary bulkhead and risers are all cast into a single frame. This reduces tolerance stack-up and potential leak points, while improving oil flow through the bed and improving the machine's thermal equilibrium.

**One-piece cast tooling cradle assembly** – includes left and right support arms, rotary cup feeder, cast tooling cradle, and a new design rotary can takeaway conveyor.

**Crankshaft with multi-stroke capability** – allows the bodymaker to be reconfigured to produce different can heights in hours, not days. Eccentrics on the crank can be rotated to the desired stroke length (22", 24" or 26"), which eliminates the need to completely change the drive box assembly, saving time and labor. Only the ram, seal pack, redraw sleeve, and the tooling cradle assembly needs to be changed for a can size changeover.

**One-piece cast steel swing lever** – has multi-stroke capability, and reduces machining, assembly and set-up time. Tapered roller bearings provide better alignment and tracking, and the bearing preloads are set before installation.

**New design hold-down levers** – a single shaft with roller bearings locates both levers – allows easier removal without pulling the flywheel.

**High efficiency Power Pack** – all of the external hydraulic components are installed in a small footprint Power Pack unit for space and maintenance efficiency. These include VFD high and low pressure oil pumps, dual filters with moisture and acid removal, bubble eliminator for aerated oil, oil pre-heaters (orifice and in-line), plate heat exchanger, and oil inlet strainer. All sensors have I/O links within the cart.

**Advanced machine sensing** – sensors are located at critical locations, including the main and swing lever bearings, hold-down levers cam follower shaft, and the push rod bushings.

**Integrated trimmer** – the Stolle trimmer is specially designed to work with the Conceptor, and allows for quick can size changes.

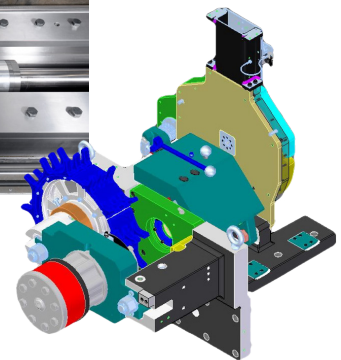
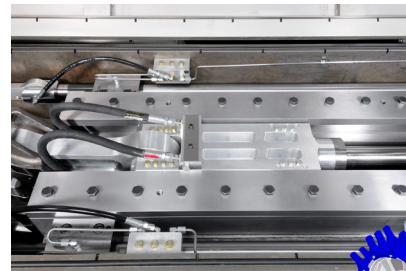
**Advanced controls and electrics** – the Conceptor is controlled from an arm-mounted HMI screen with user-friendly operator interface screens. The screens feature Stolle **inSight** software with a built-in gateway server and AWS cloud-based support. Controls include machine performance monitoring with MySQL database historical data retrieval, advanced short can diagnostics, and advanced hydraulic monitoring and controls with automatic dirty oil filter switchover while in production.

**Swing-away front guarding** – provides quick and roomy access to critical maintenance areas around the tool cradle, domer and trimmer infeed.



**Right:** Crankshaft with multi-stroke capability allows for much faster can size changeovers

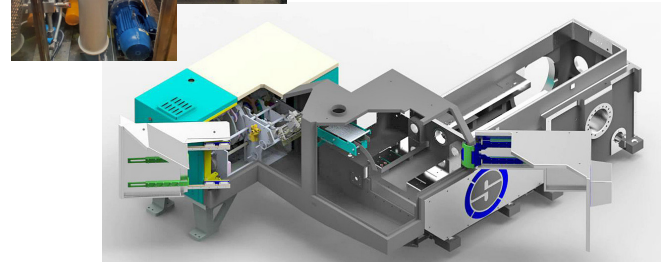
**Below:** Stolle's ram guidance technology eliminates the need for a hydrostatic ram cartridge and it's related maintenance



**Above:** Cast one-piece tooling cradle assembly

**Left:** Space-saving Power Pack unit with all hydraulic pumps and filters

**Below:** Swing away front guarding for easy access



TECHNOLOGY LEADERSHIP IN CAN & END MAKING



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## Specifications

Dimensions (bodymaker and trimmer):			
Length	169" apx.		
Width	137" apx.		
Height	85" apx.		
Weight	26,821 lbs. apx.		
Special foundation required	Yes		
Floor space	11' W x 14' L = 154 sq. ft. (including hydraulic cart, electrical cabinet and working area)		
Air supply	Minimum 85 psi (5.98 KgCm2), 50 SCFM		
Water supply	30 GPM at 85°F maximum (heat exchanger) (114 LPM at 29.4°C maximum) (for cooling machine lubrication system)		
Coolant supply (tool pack)	20 GPM minimum at 30 PSI (76 LPM minimum at 2.1 KgCM2) (customer to supply pump with filter assembly)		
Lubrication	50 gallons (189 liters) (lubricant required for integral system and hydrostatic system with lube-failure protection)		
Drive motor	75 HP AC (standard)		
Electrical power	480V, 3-phase, 60 Hz (380–575V, 3-phase, 50 Hz optional)		
Electrical supply	480V, 3-phase, 60 Hz (380V, 3-phase, 50 Hz optional)		
Main disconnect size	200 Amp		
Hydraulic Power Pack unit total connected horsepower	75 + 15 + 3 = 93 HP		
Clutch brake	Air operated clutch, spring operated brake		
Can diameters	202 to 307		
<b>Variable stroke length specifications:</b>	<b>22" stroke</b>	<b>24" stroke</b>	<b>26" stroke</b>
Machine speed	400 SPM	400 SPM	350 SPM
Max. untrimmed can height – aluminum	5.70" (144.8mm)	7.25" (184.2mm)	7.44" (188.9mm)
Max. untrimmed can height – steel	5.12" (130mm)		7.15" (181.6mm)
Tool pack length	10.25" (260.25)	10.25" (260.25)	11.00" (279.4mm)

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