



HIGH OUTPUT WITHOUT HIT MARKS

Removal systems for
flawless fineblanked parts



PARTS REMOVAL SYSTEMS. THE BENEFITS TO YOU

- u Better rating with your customers
- u No hit marks on parts
- u Automatic part and slug separation
- u Position-oriented removal of parts, aligned for routing to onward processing
- u Minimized cost for downstream inspections and manual work, etc.
- u Higher overall system productivity
- u Minimized compressed air consumption, reduced noise
- u No oil mist
- u Maximum process reliability



Manufacture more cost-efficiently

Speed and quality in harmony

Part and slug handling has a significant influence on your fineblanking system's output rate. Feintool's removal systems ensure cost-efficient operation: Specially designed for fineblanking and forming processes, they also guarantee reliable, damage-free parts removal even at high stroke rates.

PART REMOVAL INSTEAD OF AIR BLOW

Care pays off



Slider plate for controlled parts removal




Removal concept for parts and slugs

How can a modular removal system optimize part and slug handling? Feintool has put everything into finding the right solution. The answer is by servo-removal rather than compressed air. Feintool's direct-drive removal systems now perform on a par with or even better than compressed-air systems. They simultaneously enhance the stability of production processes: depending on the removal system, parts are removed reliably and damage-free at rates of up to 120 strokes per minute. It's also good to know that these improvements can be achieved with just a few tool modifications.

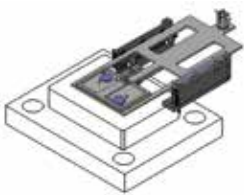
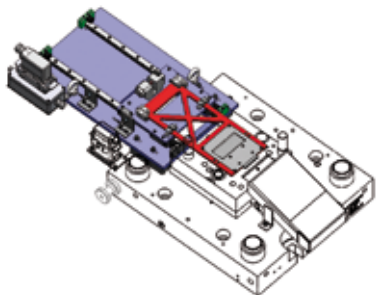
Parts removal without impact damage

Using compressed air to eject parts can cause impact damage. A direct-drive removal system that is fully integrated into the press ensures damage-free parts ejection, evacuating parts from the tool at high output rates without damaging them. There are welcome side effects, too: oil mist and air noise are gone for good.

DRIVE CONSOLE

HFA	X-TRA	XFT
Linear motor	Linear motor	Servomotor
		

SLIDER CONSOLE

HFA	X-TRA	XFT
		

Fast and simple changeover

The in-press design concepts enable fast, uncomplicated changeover from direct-drive removal to compressed air evacuation. This saves you valuable time during retooling, which benefits your productivity.

Direct-drive removal. The benefits to you

- u Damage-free parts
- u Controlled, reliable part removal
- u Minimized compressed air consumption and reduced noise

PARTS REMOVAL SYSTEM FOR HFA

Up to 80 strokes a minute



Quick coupling system for fast changeovers

Various modules – 1 design concept

The new modular removal system for HFA hydraulic fineblanking presses can be easily adapted to fit a variety of requirements. Double deck evacuators are also possible.

Drive console – perfectly integrated

The drive console with the linear direct-drive unit is mounted on the press table. The remover operating controls are fully integrated into the press control system. Thanks to the smart modular design, you benefit from optimum accessibility which ensures generous space for chutes and conveyor belts.

Slider console – for reliable processes

The tool-linked slide console is mounted either on the tool block or the bolster plate. It is set up together with the slider plate outside the press. Fixed installation at die plate level guarantees high process reliability. Tool-specific baseplates are used to adjust height and alignment, deviating settings are not possible.



Tool-linked slide plate ensures high process reliability

Short changeover times – shorter downtimes

The quick coupling system allows you to attach the slider plate to the drive with a simple “click”. The integrated crash-trip (overload protection) protects the servomotor and slider plate.

Remover modular system. The benefits to you

- u High process reliability
- u Fast changeover times
- u Simple mounting

PARTS REMOVAL SYSTEM FOR XFT

Up to 150 strokes a minute with servo remover



Filling station for separated four-track transfer of parts to downstream processing

Fully integrated removal system

Our *XFTspeed* servomechanical fineblanking presses are equipped with a servo removal drive as standard. The operating controls are fully integrated into the press control system.

High output – fast changeovers

More speed, higher productivity: The fast acceleration of the integrated servomotor is pretty impressive. Encapsulated to protect against soiling, the unit is designed for stiff linear guides. Changeover times are minimized thanks to the overload coupling, which makes it simple to dock and undock the slider plate.



The removal device is integrated into the press control system to ensure damage-free part removal

XFT servo remover. The benefits to you

- u High dynamic performance
- u Integrated overload protection
- u Optimum accessibility

PARTS REMOVAL SYSTEM FOR X-TRA

An intelligent combination of air and direct-drive removal



A highly dynamic linear motor ensures fast stroke rates

Blowing or removal: Fast changeover

Change over on the fly at the press of a button: The lifting bracket-mounted remover drive is simply extended into and retracted from the tool room. This makes child's play of changing over from existing tools that have been designed for compressed air to tools equipped for parts removal. With its efficient quick-coupling features, the drive removal system offers additional flexibility in use and even shorter changeover times. A spindle drive allows you to variably adjust the equipment height.

More speed, simple operation

An extremely dynamic linear motor for slider-plate drive ensures high stroke rates. The operating controls are fully integrated into the press control system.



Integrated removal system for simple changeover from compressed air ejection to parts removal

X-TRA remover system. The benefits to you

- u Fast changeover times from air blow to part removal
- u High stroke rates
- u High flexibility

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