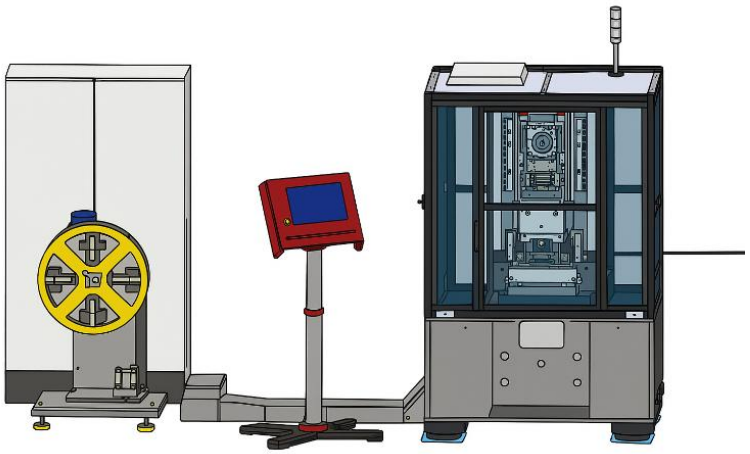
ProX-150

High-performance automatic punching machine



Technical data:

Forming force: (Cam disc & drive dependent)	max.150kN
Basic body	Steel/polymer concrete
Stroke: (cam dependent)	max. 45mm
Tool installation height in UT: (lower heights possible via adapter)	190mm to 380mm
Tool installation space:	Width 355mm x depth 235mm
Stroke position adjustment Basic setting: Fine adjustment:	Setting in 4mm increments +-3mm, via wedge adjustment on the press ram.
Weight: (depending on drive and options)	approx.3.000kg
Dimensions: (width x depth x height, without drive)	L:1200mm/ w:800mm/h:2100mm
Drive:	Servomotor
Steering:	Beckhoff
Number of strokes at 10mm stroke max.:	600/min
Price includes: - AX-150 wide including central lubrication - Base frame - Soundproof cabin - Control cabinet including control	Price on request

Applicable components:	
Basic body:	Length 960mm & 1920mm Can be combined for larger systems
Mounting bracket for AX and EX modules	For adapting AX and EX modules to the base body. Partially height adjustable and can be attached to the right or left.
Main modules: (see also last page, width of the modules)	On base body 960mm: 2x AX-100 / 2x AX-150 On base body 1920mm: 5x AX-100 / 4x AX-150
alternative combination examples:	On base body 960mm: 5x AX-10 4x AX-20 On base body 1920mm: 10x AX-10 9x AX-20 Combinations of different modules are possible, as is subsequent expansion through modular design.
Optional smart impulse technologies	- - Variable forming speed - - Pulsation with 2x AX-100/150 (+2x AX-20) - - Synchronous pulsation (with countermovement) - Synchronous punching function with AX sub-drives
Secondary movements:	up to 2x AX-20 CNC from below and/or behind (when controlling with pulsation and 2x AX-100/150. (Without pulsation 10 pieces)
	Combinations of all AX, EX and modules

Indents:	EX-63 CNC pliers feeder
	EX-50 servo roll feed with servo intermediate ventilation
	EX-100 servo claw feed with servo intermediate ventilation
Clearance height above the hallway	approx. 1100mm
Weight	completely approx. max. 3500kg
Control cabinet	standing separately

Features of the ProX-100:

- Highly flexible and expandable
- Use of standard modules
- Separate control cabinet in special paint RAL 7106 (color like machine frame) with 2 PCE sockets (16A) for peripherals.
- Control (Beckhoff) with pivoting 19" touch panel
- Monitored, safe speed in setup mode for step-by-step movement of the CNC axes via electronic handwheel.
- Integrated central lubrication.
- Integrated LED machine lighting.
- 2 pieces of connection strips for tool protection with 8 inputs (M12, 5-pin) and 8 outputs (M12, 5-pin).
- 1 piece of connection strip for peripherals with 8 inputs (M12, 5-pin).
- 2 220V sockets (for peripherals).
- Flow direction from left to right
- manually movable main modules

Additional options:

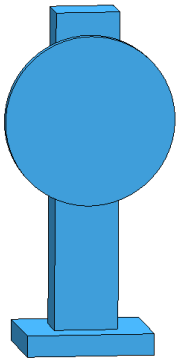
- Pulsation, currently with 2x AX-100/AX-150 (+2x AX-20),
- Synchronous pulsation (with countermovement)
- Synchronous punching function with AX sub-drives
- Drives and control Beckhoff (or customer request after consultation) pulsation and synchronous punching functions
- Belt lubricator with dosing pump.
- Integrated remote maintenance via LAN, expandable via mobile phone app

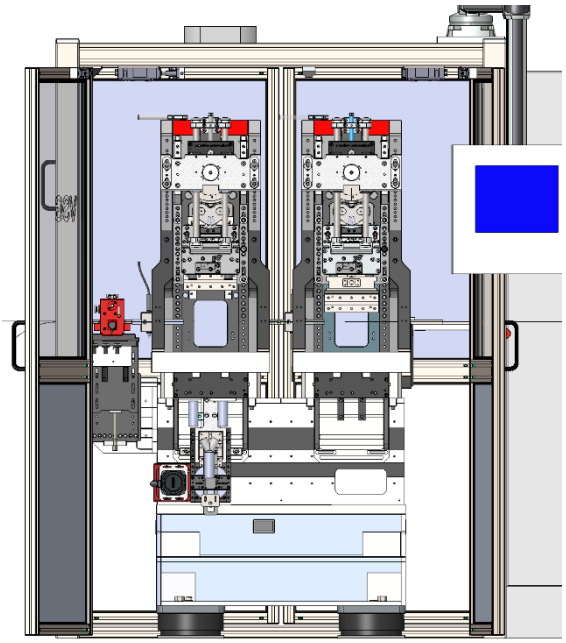
- Tool changing consoles on the AX modules for convenient tool changing
- Color design at the customer's choice
- Press control with integrated curve generator for further process optimization through electronic curves for step punching and pulsing
- Integrated force measurement for overload protection and process monitoring of the individual AX and SEM modules.
- Process monitoring system from Brankamp, X3, X7
- Decoiler / take-up reel
- Flow direction from right to left, left to right or combined
- Control panel hanging, on control cabinet or cabin (swivelling or fixed), optionally standing (movable)
- ProX-100 can be integrated into production lines as an incomplete machine without a protective cabin

Please also note the technical data and options of the individual modules.

Configuration example 1:

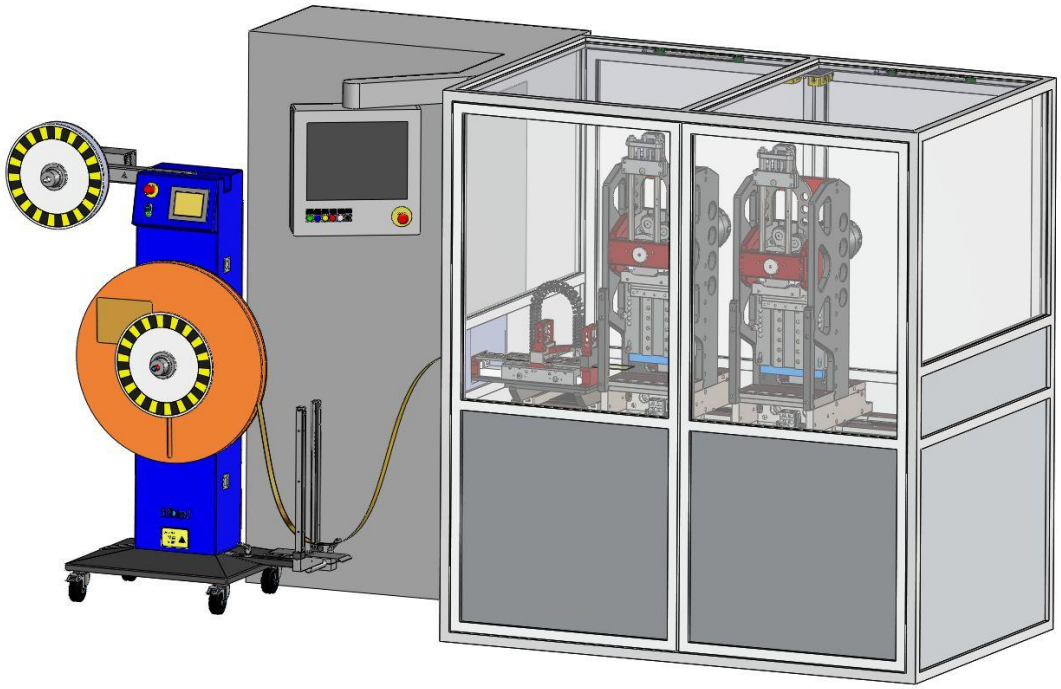
2x AX-150, wide version, on base body 960mm
1x AX-20 servo, from below as countermovement for AX-150 #1
1x roller conveyor feed EX-50
Decoiler, take-up reel, protective cabin



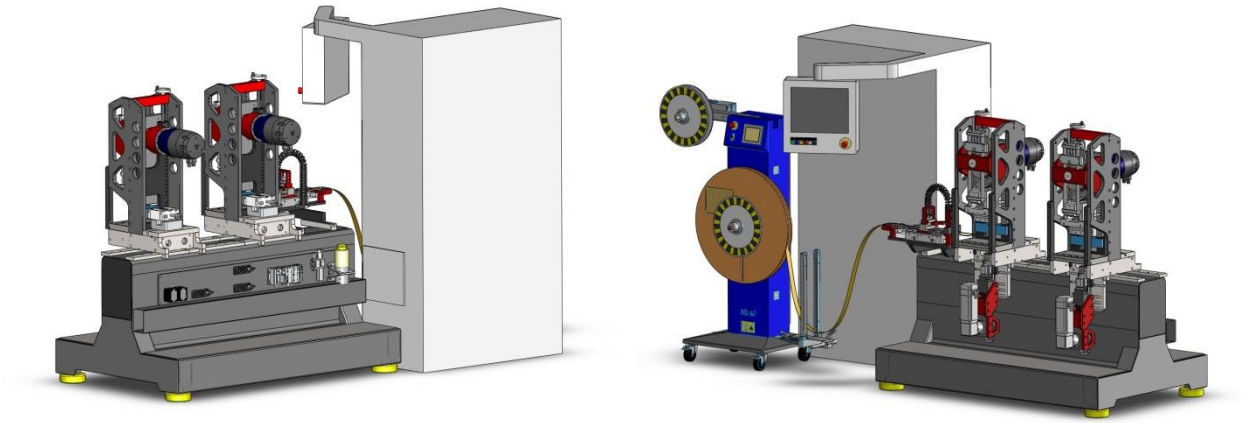


Configuration example 2:

2x AX-100, standard version, on base body 1920mm
2x SEM-20 servo, from below as countermovement for AX-150 #1 and #21x Servo pliers feed
EX-63Abwickelhaspel, Schutzkabine



A



Views without cabin

Configuration example 3:

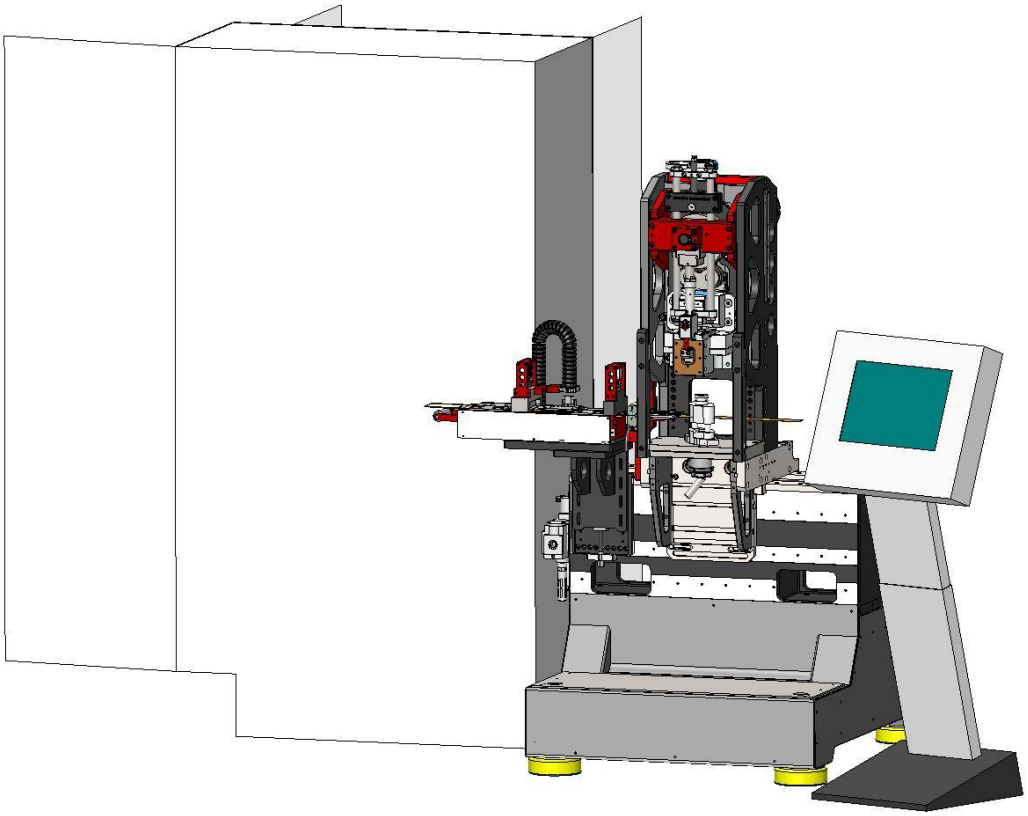
1x AX-100, standard version, with ejection unit in the press ram

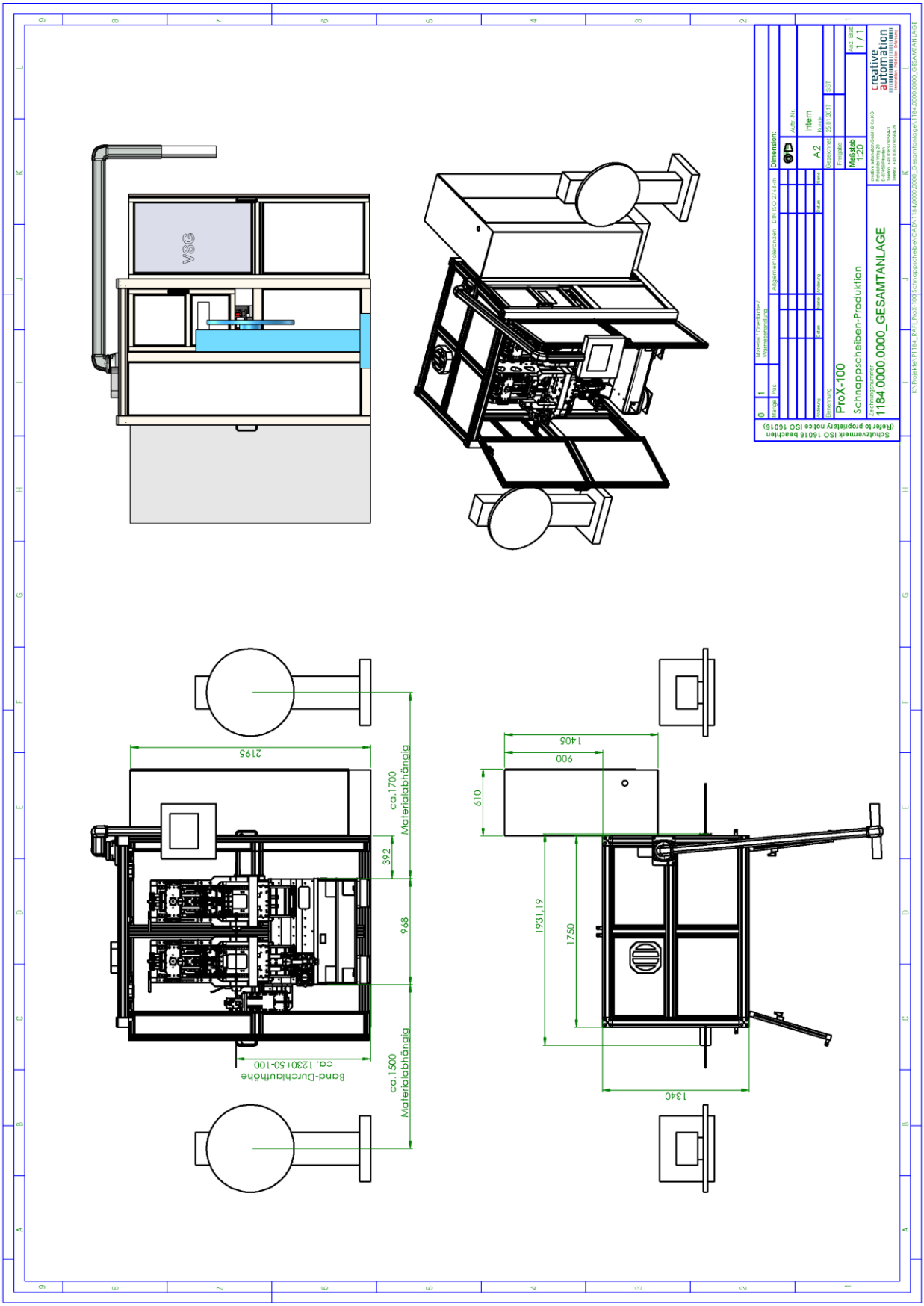
Spring ejection unit in the press table

1x servo pliers feed EX-63

without protective cabin for integration into a higher-level production line

Standing control panel, movable, wired




VSG
2195
ca.1700
Materialabhängig
392
968
ca.1500
Materialabhängig
ca. 1230+50-100
Band-Durchlaufhöhe
1405
900
610
1931,19
1750
1340
Schutzvermerk ISO 16016 beachten
(Refer to proprietary notice ISO 16016)
Zeichnungsnummer:
11184.0000.0000_GESAMTANLAGE
ProX-100
Schnappscheiben-Produktion
Maßstab
1:20
A2
Intern
Dimension:
Allgemeintoleranzen DIN ISO 2768-mH
Material / Oberfläche /
Wärmebehandlung
Name
Datum
Bearb.
Prüfer
Kontr.
Freigabe
Änderung
Benennung
Pos.
Menge
Urspr.
Ers. für
Ers. durch
Nächste Verwendung
Nächste Verwendung
Nächste Verwendung
creative automation
Blatt 1
Anz. Blatt
1 / 1

Beispiel Kundenprojekt:

