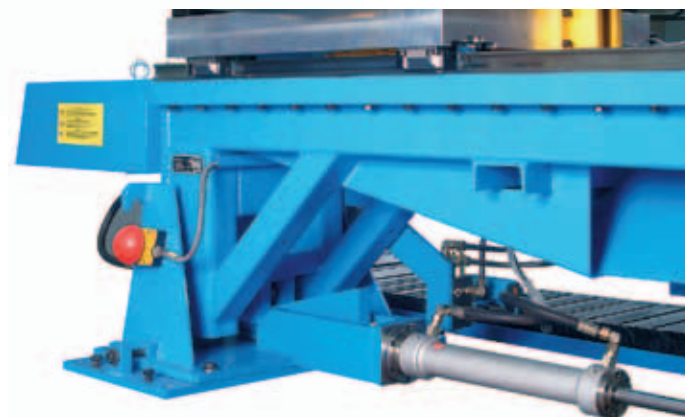
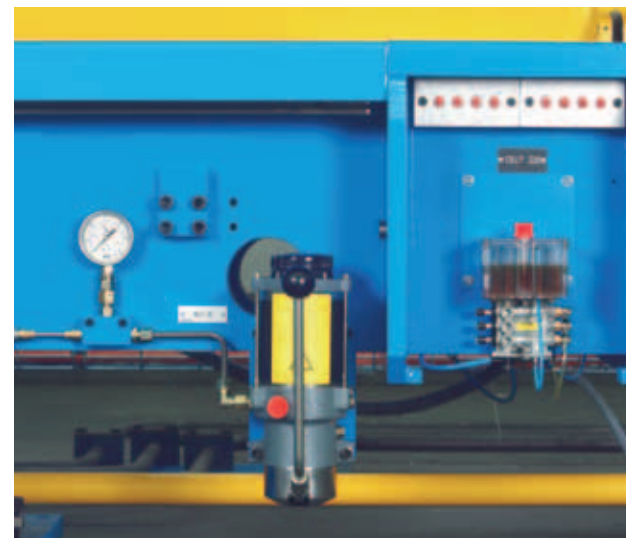


Flying Cut-Off Machine with Shear Unit



Hydraulic height adjustment



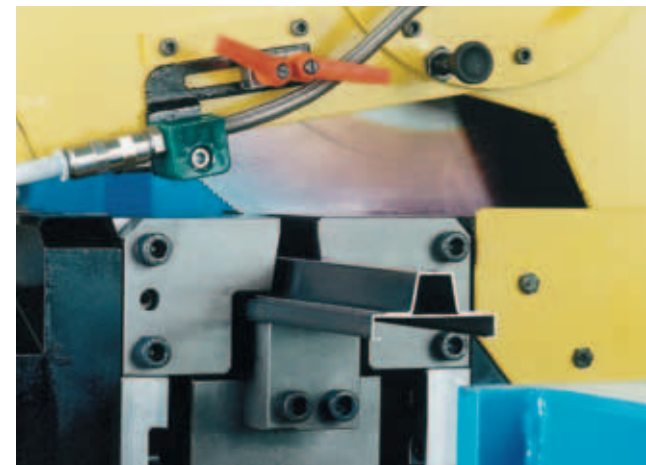
Central lubrication system

✓ Shear units, hydraulically operated

- Short stroke assures high output
- $\pm 45^\circ$ shear angle adjustment assures optimal shear angle
- Modular shear blade frames utilizing shear-inserts ensure cutting of small profile with a large shear
- Reinforced shear blades secure high blade life when cutting critical cross-sections
- Use of wear resistant unique tool steels
- Section contour cut with most modern EDM's
- Quick and easy shear-blade exchange
- Regrind with surface grinder

✓ Punch units, hydraulically operated

- Minimal scrap, minimal cut-burr
- Highest output rates achieved through stroke adjustment and stroke position monitoring
- Precision column guides
- Double action hydraulic cylinder
- Simple tool change
- Integration of auxiliary functions such as piercing, embossing, bending
- Lateral spindle-type adjustment for best punch unit alignment



Hydraulically activated clamping jaws

✓ Cold Saws

- Most modern sawing technology for minimal burr, perpendicular and plane cut
- Short saw cycle for high output
- Saw blade feed system with integrated positioning control
- Clamping jaws, hydraulically activated
- Economic micro-dose lubrication system
- Saw blade cooling
- Used for flying and static applications
- Very low cost per cut



Flying cut-off machine with cut-off punch unit



Profile exiting cut-off punch unit



Cold Saw

Optional features

Central height adjustment

- Hydraulically activated. Quick and easy adjustment of machine and/or run-out table to changing profile pass-lines

Angle-/lateral adjustment

- Cut-off units aligned precisely to the profile

Mid-Punch

- Punch operations integrated within the rollforming process

Electric eye

- Cut-off relative to punch pattern

Customized solution

- Realization of specific requirements

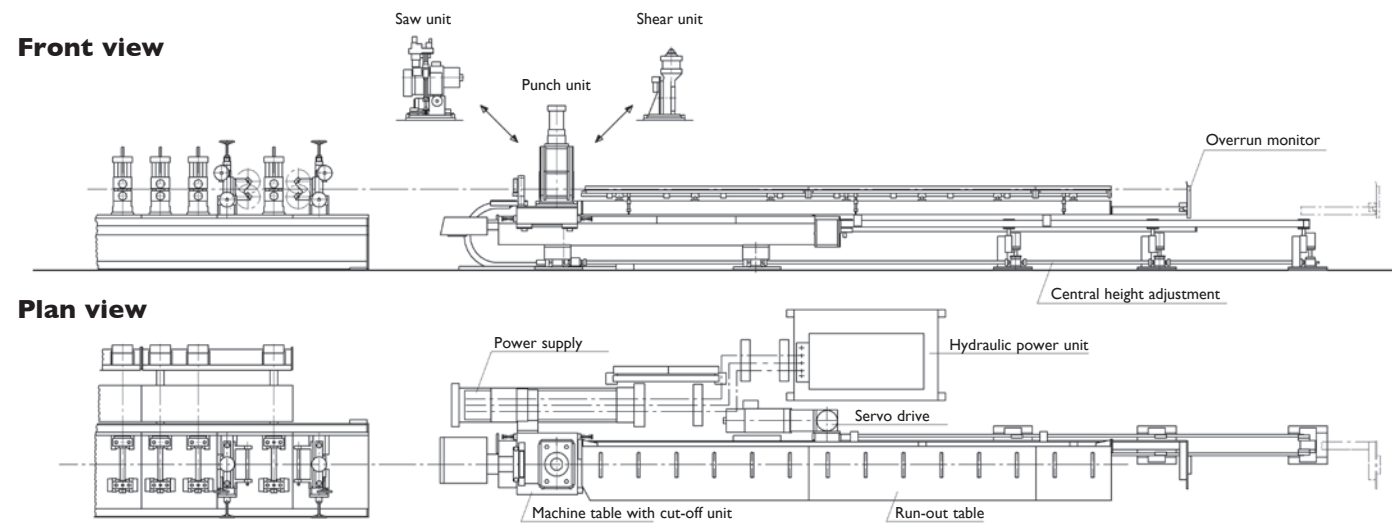
Profile handling

- Automated handling of profiles after cut-off

JIT production

- Customized software controls part lengths as well as pre-punch operations (as few as one part of one type possible)

- ✓ High output
- ✓ Excellent length accuracy
- ✓ Minimal burr and section deformation
- ✓ Integration of all available cut-off methods
- ✓ Quick change cut-off devices



Flying cut-off machines with „closed loop“ synchronization system length measurement and quick-change cut-off unit

Equipment Data

Model		TK060	TK200	TK300	TK600	TK1000	TK2000
Section sizes, approximate ¹⁾ Width x height	mm	100 x 40	100 x 40 ⁴⁾	250 x 80	320 x 100	400 x 125	500 x 160
Line speed ²⁾		subject to model, maximum 40 / 60 / 100 m/min					
System accuracy		electronic „closed loop“ system ±0,2 mm					
Length accuracy		subject to model ±0,4 bis ±2,0 mm					
Shear units ³⁾ Tonnage Strokes	kN min.-1	Sh 0,6.5 50 40	Sh 0,6.5 50 ⁴⁾ 40	Sh 3.20 200 32	Sh 600.50 500 28	Sh 1000.60 600 25	Sh 2000.80 800 20
Punch units ³⁾ Tonnage Strokes	kN min.-1	Sth 0,6.3 28 25	Sth 0,6.3 28 ⁴⁾ 25	Sth 3.20 200 20	Sth 600.32 320 20	Sth 1000.50 500 15	Sth 2000.80 800 11
High speed saw ³⁾ Saw motor Strokes	kW min.-1	SF 0,6.3,7 3,7 20	SF 0,6.3,7 3,7 20	SF 3.15 15 20			
Cold saw ³⁾ Saw motor Cutting speed	kW m/min			MKS340 S 19,4 20 - 1475	MKS650 S 20,9 25 - 800	MKS1063 S 37 20 - 320	MKS1063S 37 20 - 320

Upon request: 1) Exact profile measurements 2) Increased line speeds 3) Additional cut-off units 4) TK200 also available with 80 kN units, section size max. 160 x 63 mm

DREISTERN GmbH & Co. KG
Wiechser Straße 9
79650 Schopfheim/Germany
Tel: +49 (7622) 391-0
Fax: +49 (7622) 391-205
info@dreistem.com
www.dreistem.com

DREISTERN Inc.
Hilltown Industrial Park
801 Tech Drive,
Telford PA 18969 / U.S.A.
Phone: +1 (215) 799 0220
Fax: +1 (215) 799 0420
usa@dreistem.com
www.dreistem.com

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Over 60 years experience. DREISTERN supplies solutions for the most demanding applications. Tightest tolerances; unsurpassed quality.

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the ultimate in rollforming

CUTTING TK

Flying cut-off machines

- Cut-off shear
- Cut-off punch
- Cut-off saw

for the utmost quality requirements

