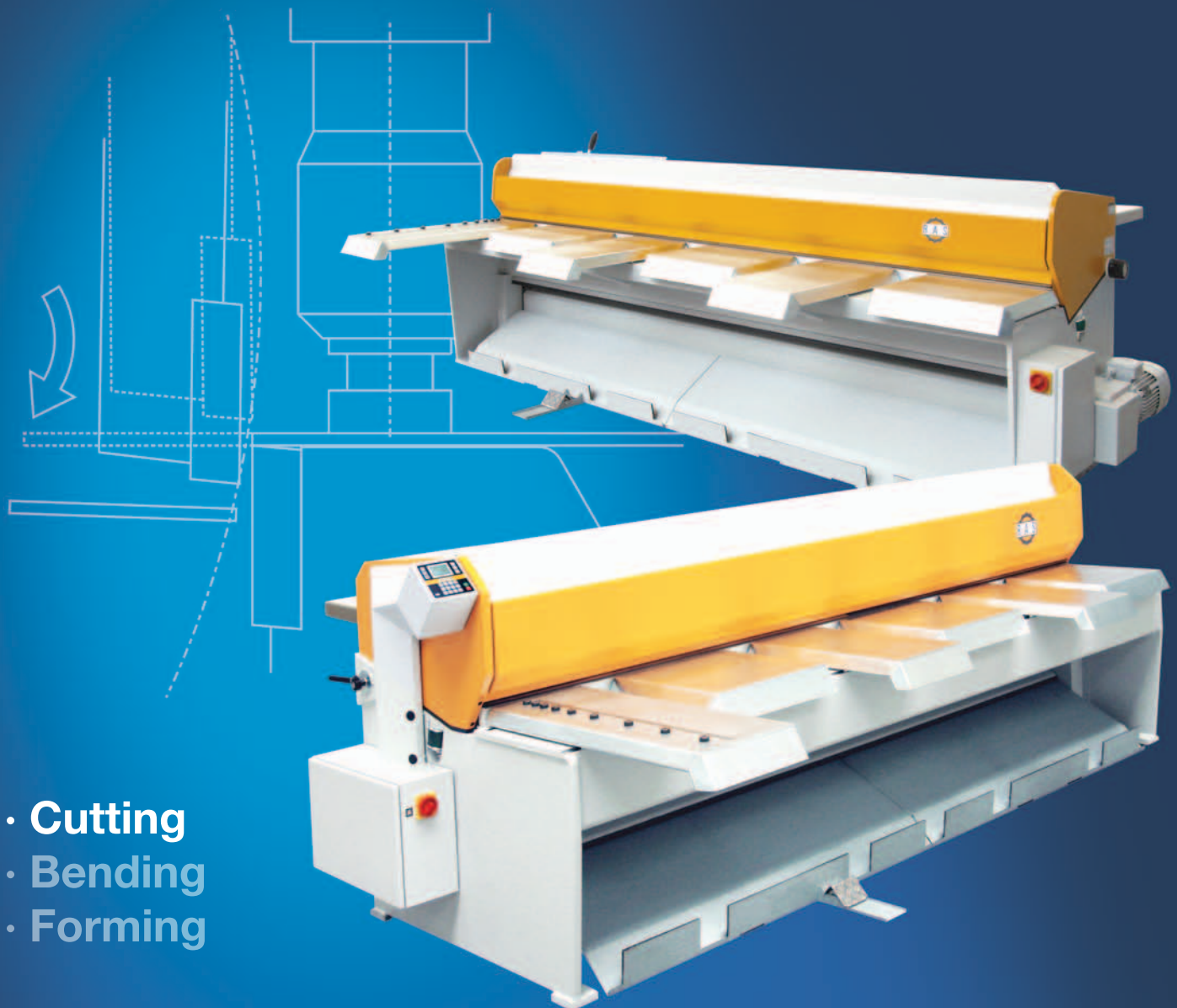


## SMARTcut / PRIMEcut



- **Cutting**
- **Bending**
- **Forming**

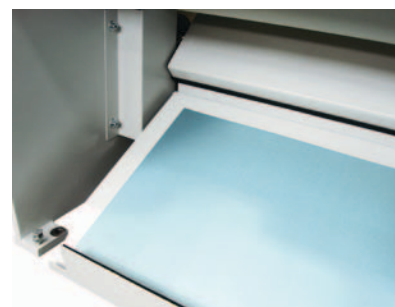
## SMARTcut / PRIMEcut

### The perfect cut

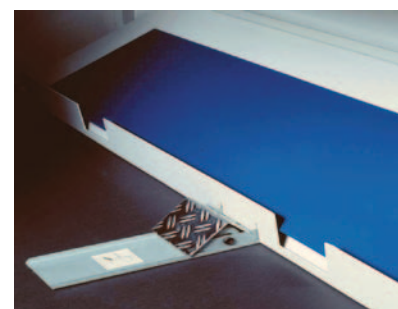
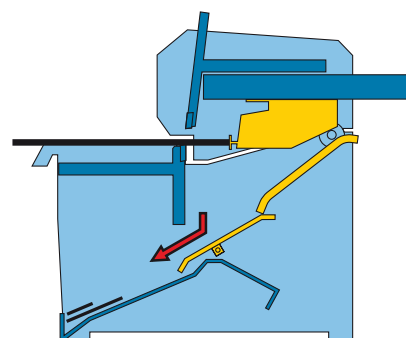
The RAS SMARTcut and RAS PRIMEcut swing beam shears combine all the features and benefits you expect from the latest shearing technology.

- Clean and square cuts due to innovative swing beam technology
- Twist-free cutting of small strips due to the extremely low rake angle
- The CNC backgauge positions parts up to 750 mm/29.5" (Manual backstop available on the SMARTcut)
- Perfectly square parts due to the hardened and self-cleaning squaring arm
- Beveled table panels and large grip space make for easy material handling
- A plastic coated hold down offers mar free clamping during the cut
- Integrated sheet support system guides all materials straight to the backstop
- Parts chute sorts and delivers cut pieces to the front or the rear
- Parts collector or stacking carriage for delivery of cut pieces
- The quick blade clearance adjustment offers perfect and burr free cuts
- Single or continuous strokes by a single or double step on the footswitch
- Special blades are ideal for mild steel as well as stainless steel applications
- Quick blade change since the blade crowning is machined into the swing beam

RAS SMARTcut and RAS PRIMEcut: Economic Cutting at it's Best!

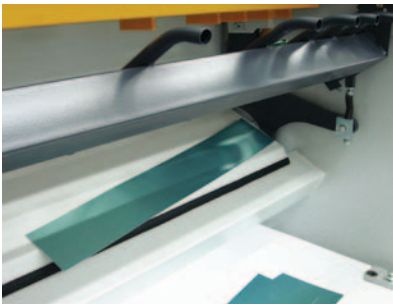


Parts chute for cut piece delivery to the front

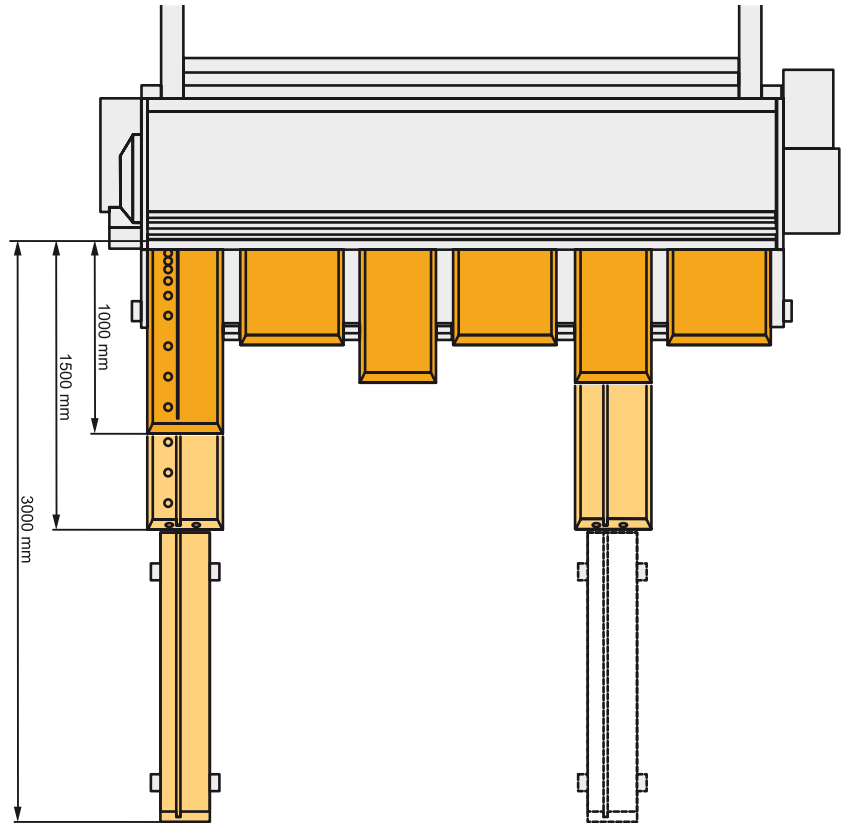
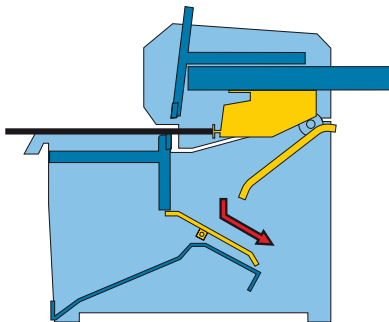


A foot lever position determines whether the parts chute delivers cut pieces to the front or the rear. This allows separation of good parts and scrap without additional sorting!

## SMARTcut / PRIMEcut



Parts chute for cut piece delivery to the rear



Shear table options:  
Squaring arm 1000 mm/39.4"  
Squaring arm 1500 mm/59"  
Moveable table extension 1500 mm/59"



Stacking carriage for cut pieces



Beveled table panels, a hardened squaring arm and large grip space for simple and easy material handling



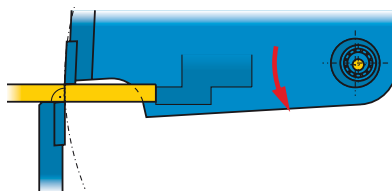
Moveable table extension

## SMARTcut / PRIMEcut

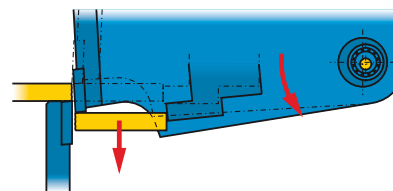
### Swing Beam – Latest Shearing Technology

The innovative RAS SMARTcut and RAS PRIMEcut use the latest in swing beam technology instead of the traditional guillotine concept.

Top technology for perfect cuts!



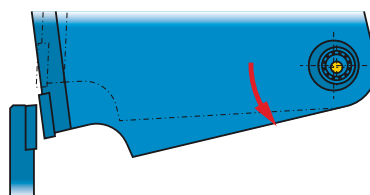
The upper blade penetrates the material above the lower blade. This results in right-angled and burr-free parts.



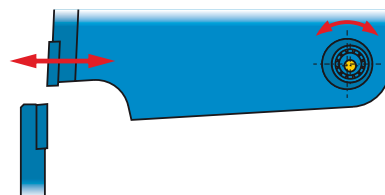
The tilting motion of the swing beam eliminates parts getting stuck between the lower blade and the backgauge.



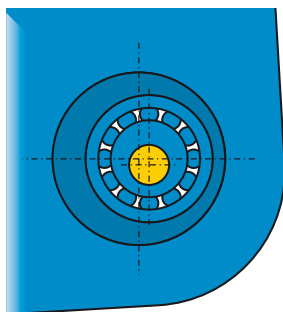
Twist free cuts even at about 15 x material thickness! The extremely low rake angle requires a stable machine design.



The upper blade moves away from the lower blade after the cut is made. Result: Blades stay sharp longer giving you many additional cuts.



Adjustment of basic blade clearance by turning the eccentric



Backlash free roller bearing with basic eccentric



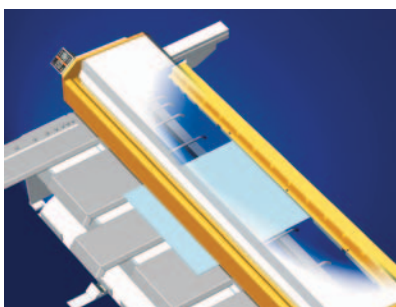
Blade clearance adjustment on PRIMEcut



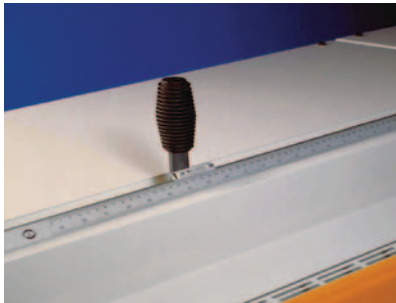
Blade clearance adjustment on PRIMEcut



## SMARTcut / PRIMEcut



The integrated sheet support system guides even the thinnest materials to the backstop.



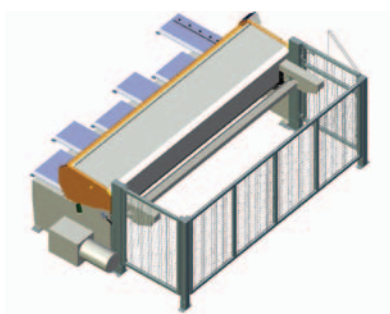
The manual backgauge (available on the SMARTcut) can be positioned from the front in seconds



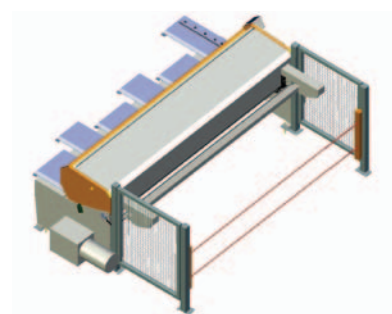
The CNC controls the backstop for dimension, quantity, single and continuous strokes

### Safety System

The attractive machine design complete with protective fences and safety light beams prevents access to the rear of the machine during the work process.

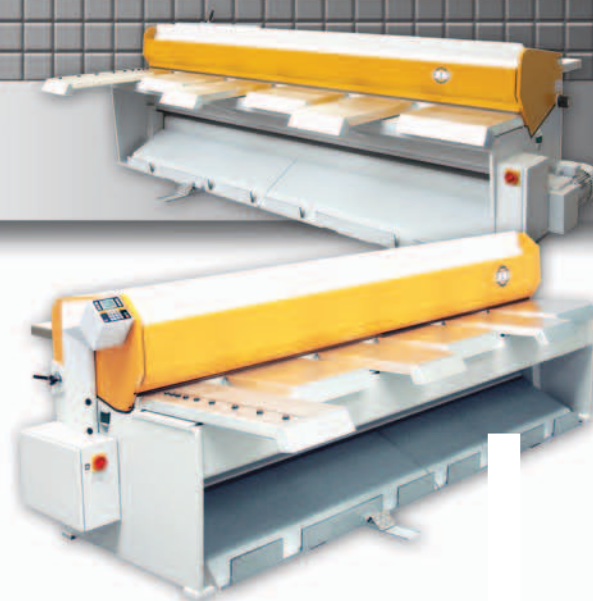


Rear protection with fences with safeguarded access from the right or left side



Rear protection with fences and safety light beams

## SMARTcut / PRIMEcut



Technical Data	PRIMEcut		SMARTcut	
Material thickness max. (mild steel)	3.0 mm	14 Ga	2.0 mm	14 Ga
Cutting length	3100 mm	122"	3100 mm	122"
Backstop dimension	5 - 750 mm	0.2" - 29.5"	5 - 750 mm	0.2" - 29.5"
Rake angle	1.1 deg	1.1 deg	0.9 deg	0.9 deg
Strokes per minute	28	28	36	36
Working height	800 mm	31.5"	800 mm	31.5"
Part width for front delivery max.	750 mm	29.5"	750 mm	29.5"
Part width for rear delivery max.	250 mm	10"	250 mm	10"
Machine length	3920 mm	155"	3750 mm	148"
Machine depth without table panels	1800 mm	71"	1650 mm	65"
Drive power	4.0 kW	5.5 hp	3.0 kW	4.1 hp
Weight net approx.	3300 kg	7280 lbs	1950 kg	4300 lbs

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