



Evolution in 2011.

Smartline SA – the new generation of high-speed blanking presses from Schuler



Realizing what's really important. Smartline SA-S – the equipment evolution for your success.

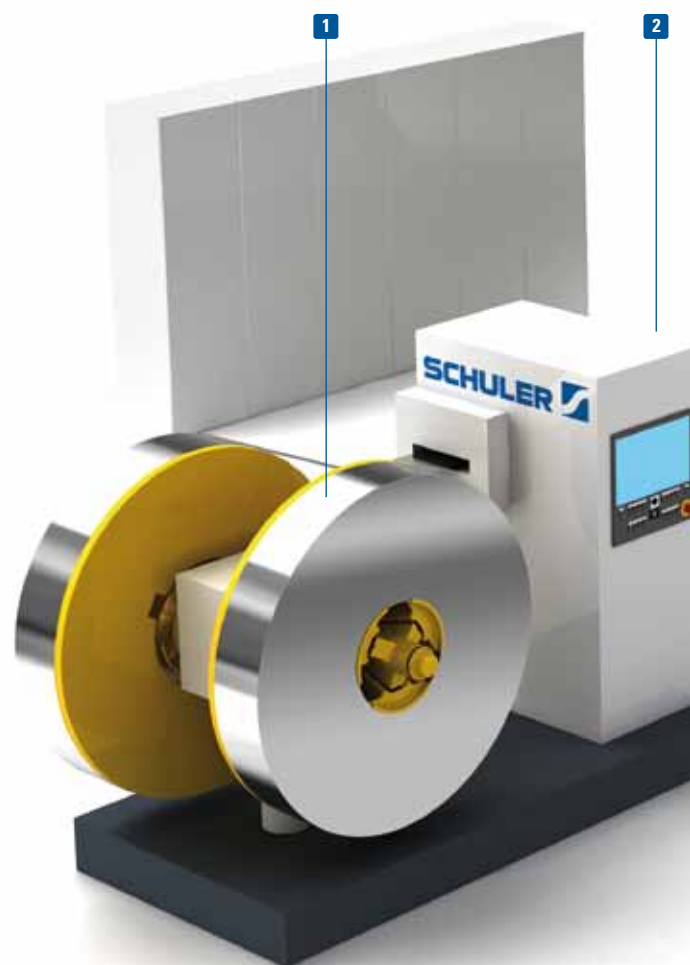
Mass production of magnetic steel sheets has evolved and advanced into a new dimension with the Smartline SA-S high-speed blanking press. The new production system makes it possible to achieve an economical price/performance ratio.

Everything from a single source – security for your production

Schuler supplies the complete system with coil line, feed and blank stacker which are linked together by a uniform control and visualization system. These integrated components ensure a consistent high level of availability from your production system so that operation, maintenance, setup and die changes are significantly simplified.

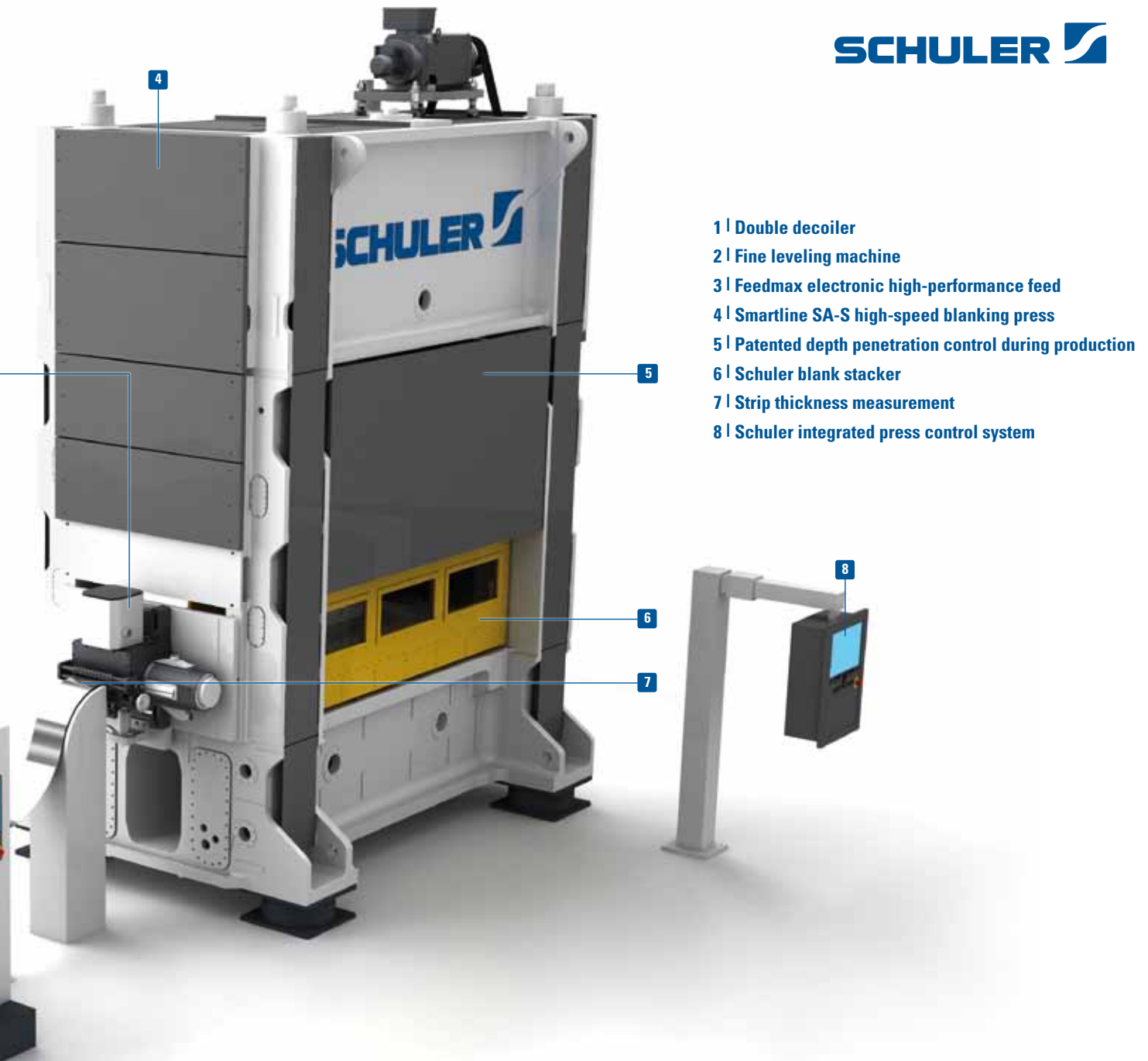
Discover how you can benefit from Smartline SA-S

- The highest component quality and productivity at full press force over the entire stroke range
- 10–30% higher output due to the new blank stacker
- More complex geometries of the magnetic steel sheets are possible due to larger bolster plate lengths up to 3,300 mm (130 in.)
- Up to 30 % longer die service life and greater process reliability with complex dies, due depth penetration control and play-free slide guiding system
- Highest component precision due to solid cast structure
- Fast die change due to servomotor-driven slide adjustment
- Maximum user friendliness due to the integration of the hydraulic unit in the press.



TECHNICAL DATA

SA-S series	Press force / nominal force [kN / US tons]	Stroke [mm / in]	Max. stripwidth [mm / in]	Size of bolsterplate		Opening in press bed		Size of slide
				Width [mm / in]	Length [mm / in]	Width [mm / in]	Length [mm / in]	Width [mm / in]
SA-125S-1,8	1,250 / 140	25 / 0.984	260 / 10.2	850 / 33.5	1,800 / 70.9	350 / 13.8	1,600 / 63.0	700 / 27.6
SA-200S-2,2	2,000 / 225	30 / 1.18	400 / 15.7	1,000 / 39.4	2,200 / 86.5	450 / 17.7	2,000 / 78.7	810 / 31.9
SA-315S-2,7	3,150 / 350	35 / 1.38	630 / 24.8	1,200 / 47.2	2,700 / 106	450 / 17.7	2,450 / 96.5	900 / 35.4
SA-315S-3,3	3,150 / 350	35 / 1.38	630 / 24.8	1,200 / 47.2	3,300 / 130	450 / 17.7	3,050 / 120	900 / 35.4
SA-500S-3,3	5,000 / 560	35 / 1.38	630 / 24.8	1,450 / 57.1	3,300 / 130	700 / 27.6	2,900 / 114	1,000 / 39.4



- 1 | Double decoiler
- 2 | Fine leveling machine
- 3 | Feedmax electronic high-performance feed
- 4 | Smartline SA-S high-speed blanking press
- 5 | Patented depth penetration control during production
- 6 | Schuler blank stacker
- 7 | Strip thickness measurement
- 8 | Schuler integrated press control system

Blank size	Length [mm/in]	Opening in uprights [mm/in]	Shut height with slide down, adjustment and quicklift up [mm/in]	Slide adjustment/ quicklift [mm in]	Upper die weight ± 25% [kg/lb] without slide bolsterplate	Stroke range [min ⁻¹]
	1,800/70.9	440/17.3	400/15.7	75/50 2.95/1.97	800/1,765	80–1,000
	2,200/86.5	530/20.9	450/17.7	75/75 2.95/2.95	1,200/2,645	80–800
	2,700/106	650/25.6	525/20.7	100/75 3.93/2.95	1,600/3,525	80–600
	3,300/130	650/25.6	525/20.7	100/75 3.93/2.95	2,400/5,290	80–400
4	3,300/130	770/30.3	565/22.2	150/100 5.90/3.93	2,400/5,290	80–400



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