

Are you interested in additional information?



To receive additional information please complete the following and send or fax to:



Germany: **+49 - 8 71- 3 08-180**

USA: **724 - 733-1962**

Name

Company

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e-mail address

The VS-machine series from LWB:

- Optimum strip intake height
- FIFO-injection unit combined with the patented ALL OUT Technology
- Documented cure time reductions of up to 50% when using hot runner moulds
- Telescopic clamp system for an ergonomic operating height
- Closed-loop controls based on an industrial PC with user-friendly operator interface
- Freely programmable machine sequence functions
- Flat colour touchscreen
- Ethernet-interface for remote diagnostics
- FLEX-control option with Windows operator interface, large touch screen and graphic package

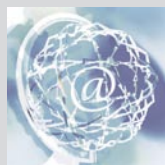


Cure time reduction
up to **50%**



Or contact us by sending an e-mail to:

cure-time-reduction@lwb-steinl.com



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LWB Rubber Injection Machines VS-Series

LWB Steinl setting new standards

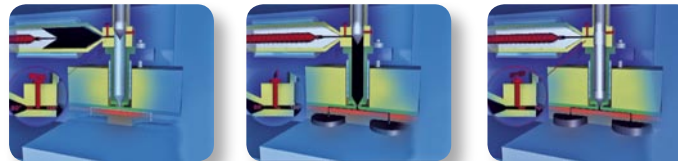
State-of-the-art rubber injection technology



Cure time reduction of up to 50% compared to conventional injection systems

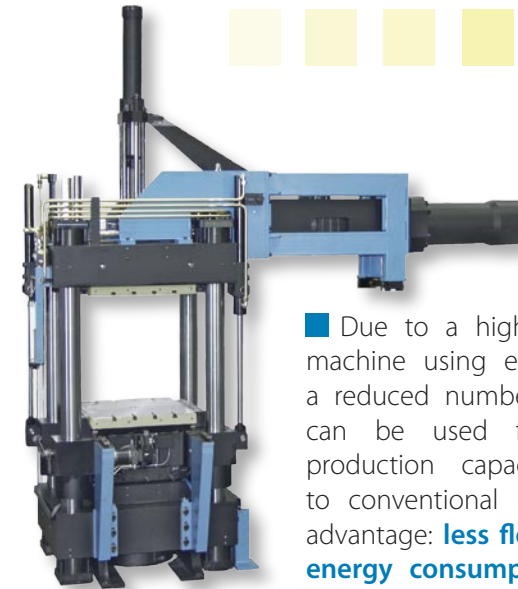
■ The rubber injection machines of the VS-series offer an **ergonomic operating height** due to the use of the telescopic clamping system and an **optimum low strip intake height**.

■ The new EF-E injection unit is based on a horizontal FIFO-injection unit installed above the upper machine bolster, combined with an additional, vertically arranged plunger injection unit of our patented ALL OUT Technology. With our **Rapid Cure Element** (patent pending) integrated in the injection unit hot runner moulds can be operated with considerably shorter cure times. The material temperature is raised during the injection phase, thus the material is injected into the cavity at the highest possible temperature.



■ By means of using the ALL OUT Technology **no material remains** in the injection chamber/nozzle, thus premature cure of material is not possible. This technology does not require any modification to existing material recipes or moulds.

■ Using the Rapid Cure Technology **cure time reductions up to 50%** are documented without changing the physical properties of the rubber products moulded. The use of the EF-E Injection Technology therefore allows for **considerably shorter production cycles**.



■ Due to a higher output per machine using existing moulds, a reduced number of machines can be used for the same production capacity compared to conventional machines. Your advantage: **less floor space, less energy consumption and less operators**. Alternatively lower tonnage machines, with smaller, lower cost and easier to handle moulds can be used, for the same output as compared to present set-up.

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Test this process in a machine in our applications department with your mould and material.

	VS 2700	VS 4500	VS 6300	VS 8000
Clamping force	2.700 kN / 300 tons*	4.500 kN / 500 tons*	6.300 kN / 700 tons*	8.000 kN / 880 tons*
Standard heating platens	560 x 630 mm 22,04 x 24,80 inch	710 x 800 mm 27,95 x 31,49 inch	810 x 1.000 mm 31,88 x 39,37 inch	900 x 1.100 mm 35,43 x 43,30 inch
Injection volume	630 - 4.000 cm ³	2.000 - 6.300 cm ³	3.000 - 8.500 cm ³	6.300 - 8.500 cm ³
Injection pressure	1.800 bar / 26100 psi	1.800 bar / 26100 psi	1.800 bar / 26100 psi	1.800 bar / 26100 psi
Secondary injection pressure max.	2.500 bar / 36260 psi	2.500 bar / 36260 psi	2.500 bar / 36260 psi	2.500 bar / 36260 psi
Working height	850 mm / 33,46 inch	950 mm / 37,40 inch	1.120 mm / 44,10 inch	1.280 mm / 50,39 inch
Strip intake height	~ 2000 mm / ~ 79 inch	~ 2070 mm / ~ 81 inch	~ 2450 mm / ~ 96 inch	~ 2650 mm / ~ 104 inch

* US-tons