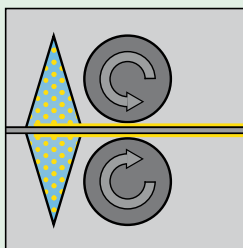




## Strip lubrication for cold-rolling mills

Image: SMS Group GmbH



## Spray lubrication

## Central lubrication system and spray lubrication com

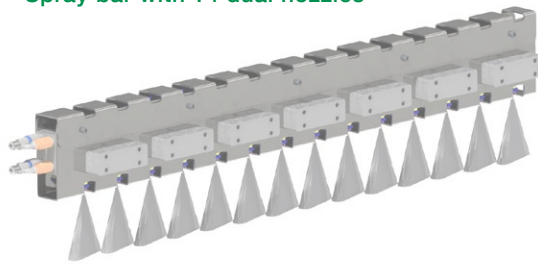
Do you operate a cold-rolling mill and are you looking for an efficient method to optimise your production processes? Then the REBS strip lubrication offers the perfect solution!

Control cabinet for Siemens S7-1500 Steuerung with KTP 700 operating panel

The REBS strip lubrication is an innovative method that was developed specially for continuous rolling processes. The central lubrication system provides an adjustable and controllable amount of lubricant and compressed air to a spray bar equipped with nozzles. The lubricant is sprayed into the nozzles using compressed air and thus homogeneously distributed to the

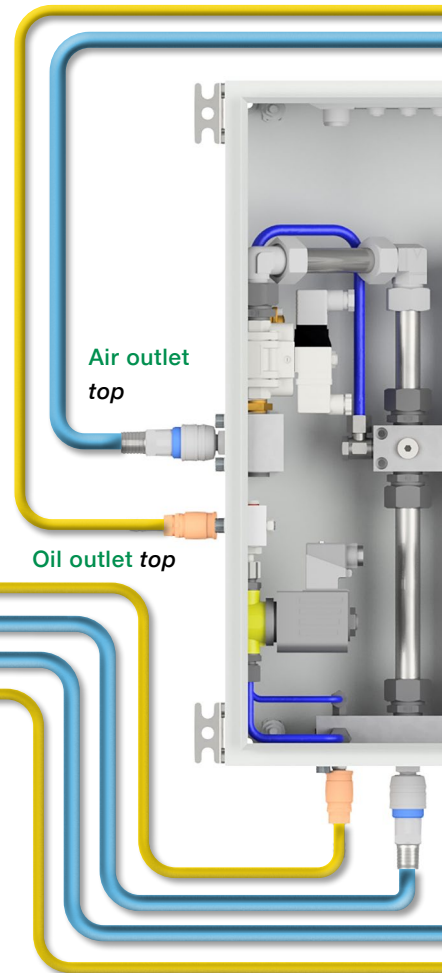
continuous belt. The lubricant can be applied above and below the belt and also adapted to the belt width in steps. With this application system your rolling processes run more stable, they can be implemented with less energy input and in some instances you obtain better surface quality of your product.

Spray bar with 14 dual nozzles



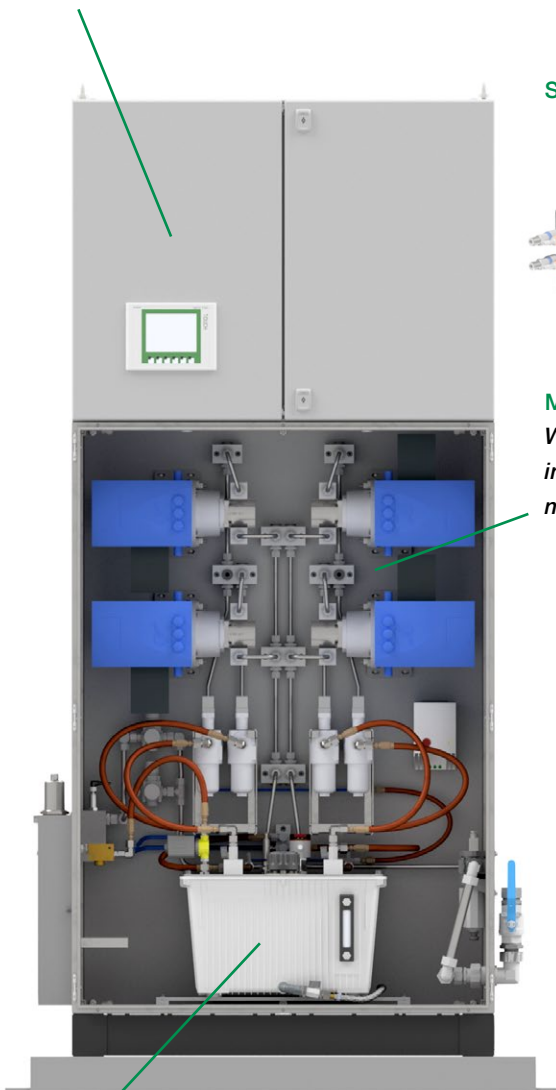
Main pump unit

With 4 gear pumps, redundant design, infinitely variable controllability from min. 50 to 500 ml/min

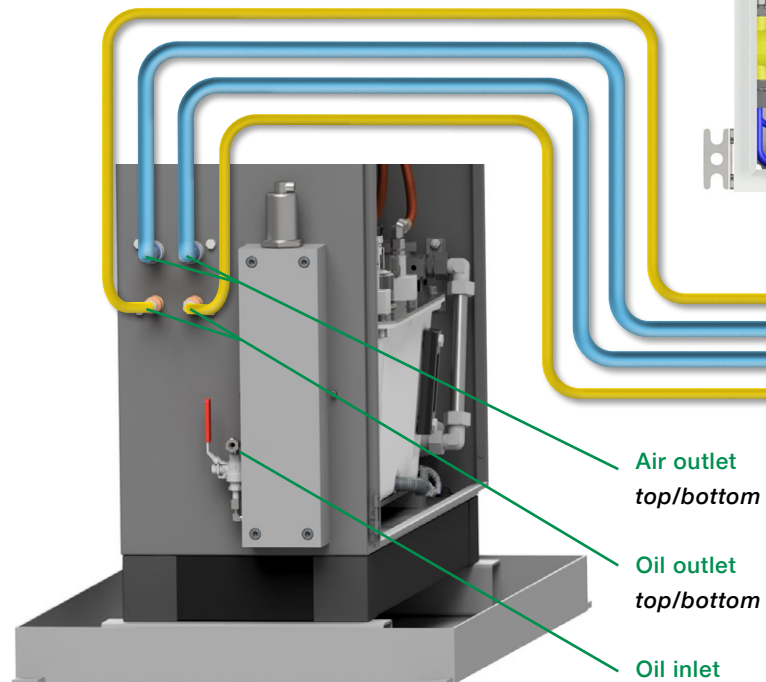


Air outlet top

Oil outlet top



Intermediate tank with 30-litre capacity



Air outlet top/bottom

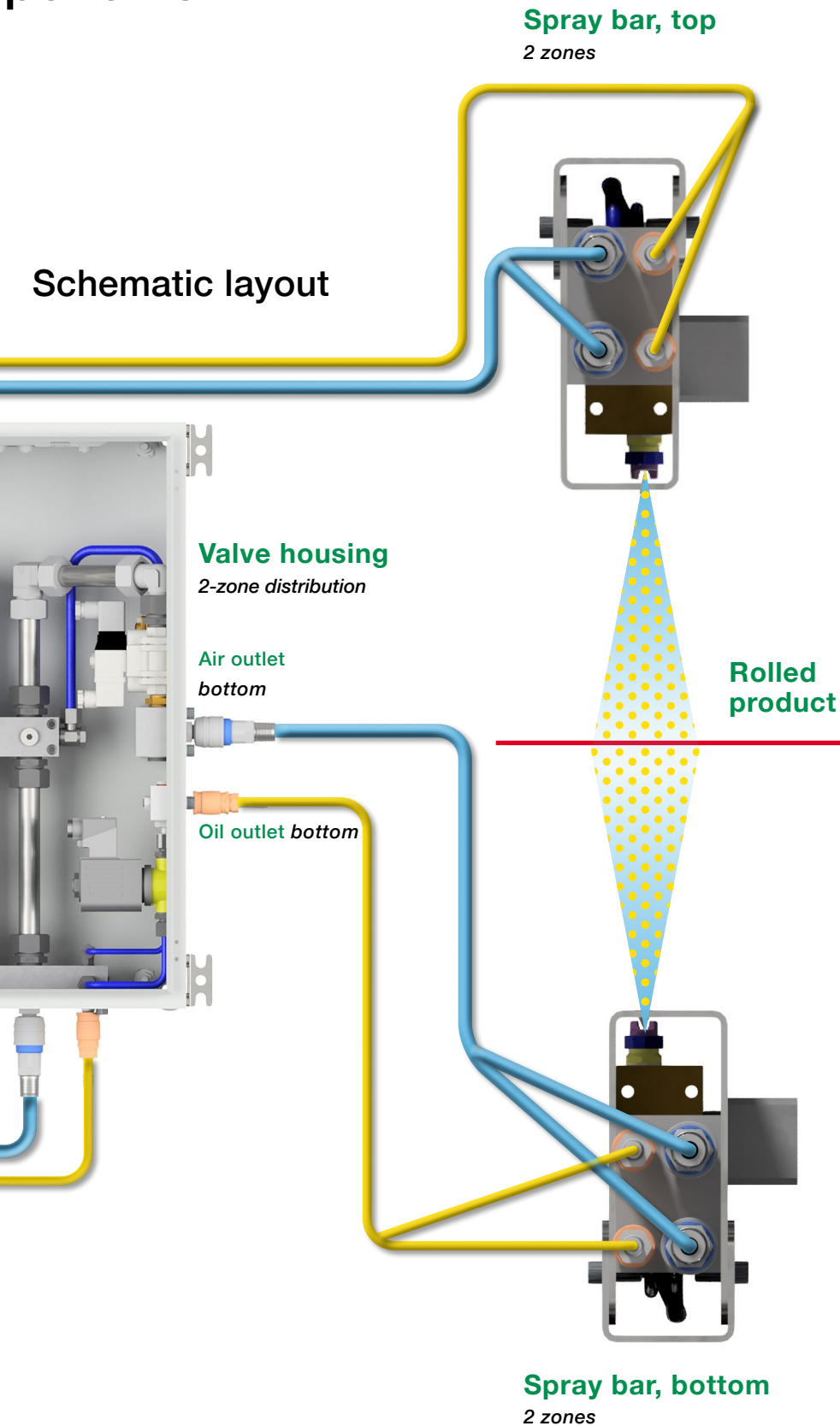
Oil outlet top/bottom

Oil inlet

Central lubrication system

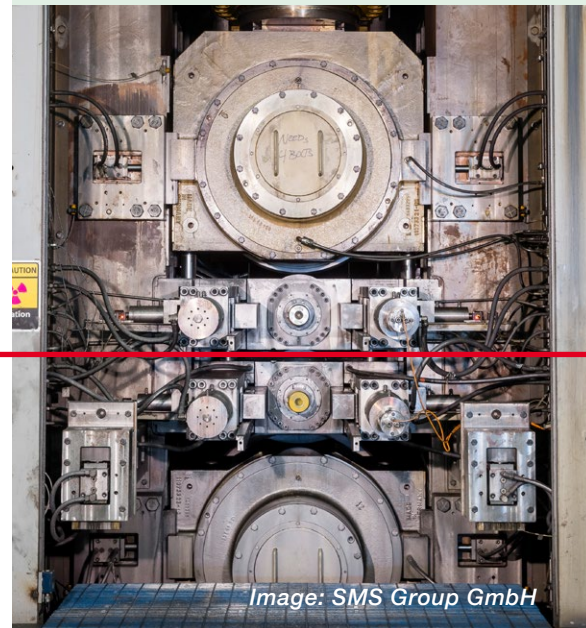
# Spray lubrication

## Components



## Advantages of strip lubrication

- ▶ Reduction of necessary rolling forces by up to 30%
- ▶ Stabilisation of rolling processes with challenging final thicknesses (< 0.25 mm), wider belts and new work rolls
- ▶ High operational safety through redundant design of the lubricant supply
- ▶ Extension of the life of the work rolls
- ▶ Improved surface quality of the rolled product



Model code	SL1	-	2S	-	1Z	-	10N
<b>Basic designation</b> Spray lubrication							
<b>Number of spray bars</b> (1-4)							
<b>Number of zones per spray bar</b> (1-3)							
<b>Number of nozzles per spray bar</b> (max. 16)							

### General properties

- ▶ Four adjustable pump units (two per spray bar)
- ▶ 30-litre lubricant tank with automatic filling
- ▶ Central lubrication system with two air/oil outlets for direct connection to spray bar or optionally with interconnected valve housing in the case of zone separation for different spraying widths
- ▶ Modular and individually configurable spray bars for belt widths up to approx. 1,700 mm
- ▶ Central lubrication system with drip tray
- ▶ ProfiNet connection
- ▶ Siemens touch panel
- ▶ Oil inlet heater

