

Lacquer coating



Frei AG, Hofenstrasse 18, 9300 Wittenbach, Switzerland

Dear Customer
Dear Business Partner

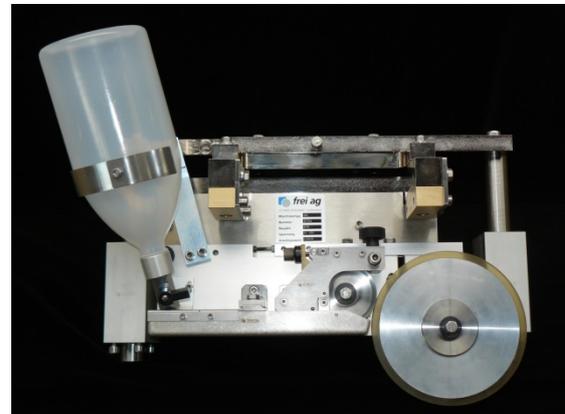
In order to meet industrial hygiene requirements Frei AG developed the first lacquer roller coating unit for outside seams of welded cans in 1976 as an alternative to the spray principle. Our systems, field proven and advanced over the years, operate very economically and are incorporated hundredfold in weld lines for food, beverage, aerosol and general line cans.

www.frei-ag.com

Extended service life of synthetic rollers

Our newest design of roller coating system is based on a 50% enlarged diameter of the application roller. This technical modification brings substantial operational benefits:

- Wear and tear of the application roller surface is distributed on a longer friction route
- The enlarged circumference allows higher can production speeds with less revolutions of the application roller
- The angle of impact on the can in motion by the larger roller is softer and the synthetic material suffers less.



Frei AG roller coating system for outside seams, model ORC-M (manual lacquer refill) equipped with a large diameter application roller for extended service time. Also available with automatic lacquer refill from a pressure tank; model ORC-A.

Peter Kengelbacher
R&D Manager

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Streamlining our roller assortment

The first series of outside seam roller coaters (ORC) came with steel application rollers, followed by alternatives such as rubber, foam and synthetic materials. Frei AG has always endeavored to meet specific customer requirements, and gladly will continue do it. But as a consequence, a wide variety of application rollers has grown over time. To secure efficient management of production and stock, and to enable us to offer more attractive sales prices, a rationalization is essential. Based on current state of technology and the most common requests by our customers we have determined a standard selection list for synthetic rollers.

Outer diameter 119mm for existing ORCs:

*67793	S8/100 10mm width
*63133	S8/85 12mm width
*61994	S8/85 15mm width

Outer diameter 178mm for the latest ORCs:

*69541	S8/145 10mm width
*69542	S8/145 12mm width
*69543	S8/145 15mm width

The synthetic material of these rollers has a low hardness of 8 shore A and is suitable for the application of water based and/or solvent based lacquers.

For special rollers outside the above standard selection Frei AG will have to consider "minimum order quantities", a probable longer delivery time and calculate different prices accordingly.

Giuseppe Cifarelli
Sales Manager

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Multipack with volume discount

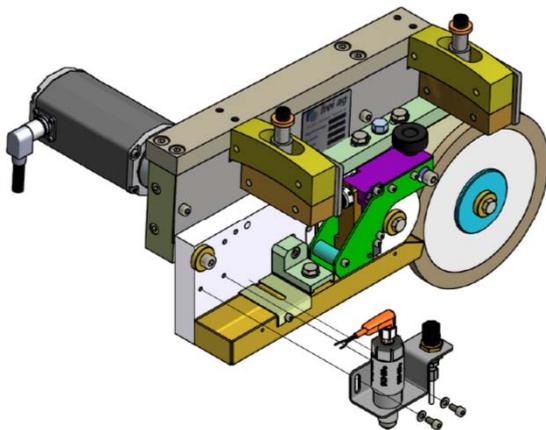
The service life of synthetic rollers is limited to several hundred thousand cans. Lacquer application rollers are consumable parts and need periodical replacement. Based on our standard selection list, we are able to offer spare parts packages of rollers at preferential prices. Please ask for quotations.

ID numbers for:	Single unit	5pc package	10pc package
Outer diameter 119mm:			
S8/100 10mm width	*67793	*70015	*70020
S8/85 12mm width	*63133	*70025	*70030
S8/85 15mm width	*61994	*70035	*70040
Outer diameter 178mm:			
S8/145 10mm width	*69541	*70045	*70050
S8/145 12mm width	*69542	*70055	*70060
S8/145 15mm width	*69543	*70065	*70070

Warehousing of rollers in stock: they must lie flat, with a carton between the individual rollers, favourably not exposed to daylight and preferably at ambient temperatures of 15° to 25°C.

Roland Oertle
Spares & Customer Service

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New lacquer level monitoring

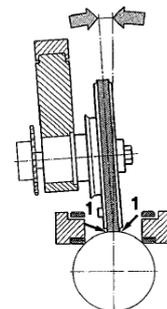
The level control for an automatic lacquer refilling system (ORC-A) is now available working on a capacitive method, combined with a vibrating principle. This feature guaranty a reliable functioning even if using lacquers with a deficient electrical conductivity. Existing equipment can be upgraded, please consult our engineers.

Beat Pfaendler
Production & Controls Manager

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Extend the life time of rollers and save on lacquer consumption

To reach a long service life of the soft synthetic rollers, the running speed must be accurately synchronized with the conveyor belt speed. When the application roller becomes smaller in diameter by wear, the revolution speed must be slightly increased to compensate for the difference. Lateral lacquer tram lines are caused by unequal single-sided pressure. Pressure can be reduced by a slight inclination of the roller. This leads to perfect equal coating, even at the weld seam overlap, without excessive lacquer consumption. Please contact us if you need assistance



Andy Troxler
Technical Sales Engineer

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