

REFERENCE LIST FOR SCHLÖTTER SVENSKA AB

Reference list about installations for plating industries performed by Schlötter Svenska AB

Customer:	Year:	Type of object:	Information:
COMPA, Romania	2015/2016	1 pc new fully automatic double barrel zinc plant with dip spin system.	One line barrel plant for zinc/nickel plating with cross transport to fully automatic post treatment in centrifuge baskets 2 pc transporters in barrel line and 2 pc transporters in centrifuge line with handler equipped with rotation and tilt system Cover robot for barrels and automatic loading via double vibrator feeders and pallet tipper. Tanks: 2800x800x900 Capacity: 2000 kg/h
COMEFIN, Romania	2015	1 pc New combined rack and barrel plating plant for alkaline zinc	One line rack/barrel plant with 2 pc transporters with laser positioning. Tanks: 3000x700x1250 Very low high to roof: 3600
Corning Optical, Denmark	2015	1 pc new rack/barrel plating plant for tin/nickel	One line rack plant with 2 pc transporters with laser positioning. Tanks: 3000x400x1250 Very low high to roof: 3200
OAO ZPP, Joshkar-Ola, Ryssland	2014-2015	Water Treatment plant, capacity 10 m3/h	In working now, delivery in April 2015
OAO RZP, Rybinsk, Russia	2014-2015	3 different lines, already delivered in 2014	Installation in 2015
ZAO Impex Forward, Saint-Petersburg, Russia	2014-2015	7 different plating lines, 2 lines in 2014 5 lines in 2015	Al etch line and Phosfate line already delivered in 2014
Ecogalvanik UAB, Kaunas, Lithuania	2013-2014	Plating of plastic line	2 rows line with 4 transporters with laser
Micromatic AB Danmark	2013-2014	El polishing line with automatic robotic loading	2 rows line with , 6 transporters with laser
Cejn AB Sweden	2013-2014	Reconstruction Zn barrel line to Zn-Ni barrel line	Reconstruction of existing line



<p> OAO Zavod Elecon, Kazan, Russia </p>	<p>2013-2015</p>	<p>Manual laboratory line with many plating process</p>	<p>4 rows line with more than 20 plating process</p>
<p> OAO Zavod Elecon, Kazan, Russia </p>	<p>2013-2014</p>	<p>Automatic Multiline hand and barrel with many plating process</p>	<p>4 rows line with more than 30 different plating process, 6 transporters with laser</p>
<p> OAO Zavod Elecon, Kazan, Russia </p>	<p>2012-2013</p>	<p>Water Treatment plant, capacity 7 m³/h</p>	<p>New automatic waste water treatment plant for 4 plants</p>
<p> Vårgårda Kromverk AB Sweden </p>	<p>2012</p>	<p>Reconstruction Zn barrel line to Zn-Ni barrel line</p>	<p>Reconstruction of existing line</p>
<p> Ytcenter AB Sweden </p>	<p>2012</p>	<p>New factory with 4 plating plants and 1 waste water treatment</p>	<p> 1 pc 1 line zinc plant 1 pc 1 line passivation 1 pc 1 line black oxidising 1 pc 3 line anodising 1 pc waste water treatment </p>
<p> Skyab Sweden </p>	<p>2011</p>	<p>1 pc new rack plating plant for acid zinc</p>	<p> O formatted rack plating plant for zinc. 4 pc transporters with laser positioning. 25 stations in storage Tanks 3000x800x1200 </p>
<p> Galvano A:S Norway </p>	<p>2011</p>	<p>1 pc new rack plating plant for nickel and trivalent chrome</p>	<p> One line rack plant with 2 pc transporters with laser positioning. Tanks: 3000x800x1350 Very low high to roof: 3200 </p>
<p> Provexa AB Sweden </p>	<p>2011</p>	<p>1 pc new rack plating plant for ED-lacquer. Post treatment with zinc phosphate and zinc/nickel</p>	<p> Complete 1-line rack plating plant. 42 stations and 2 pc of transporters. Rectifiers C.R.S with 400V/260A. Vacuum evaporator for zinc/nickel rinses and carbonate freezing system for zinc/nickel process. Membrane anodes and UF-filters from Koch. Tanks: 3000x700x1300 </p>
<p> Provexa AB Sweden </p>	<p>2011</p>	<p>1 pc rebuilding of existing rack plating plant to new plant for plating of Cu and Ag on Aluminium</p>	<p> Complete 2 line rack plating plant with 50 stations. 4 pc transporters, 1 pc cross transporters. Tanks: 1500x500x1300 </p>
<p> Elekon Russia </p>	<p>2010/2011</p>	<p>New waste water treatment</p>	<p> 1 pc waste water treatment with control system Slotronic WWT 2010 Capacity of 5m³/h </p>
<p> Purus Västbo AB Sweden </p>	<p>2010</p>	<p>1 pc new rack plating plant for pickling and electro polishing of stainless steel.</p>	<p> Complete one line fully automatic rack plating plant. 1 pc transporter, loading wagons. Control </p>

Bulten Produktion AB Sweden	2010	1 pc new control system to barrel plating plant for phosphate	system, SlotronicPro, with laser positioning, ventilation, rectifiers. Closed wastewater system via vacuum evaporator Tanks: 3200x1000x1200
Mjölby Galvaniska AB Sweden	2009	1 pc new control system.	Control system type SlotronicPro with laser positioning Complete new electrical installation
Bistål AB Sweden	2009	Rebuilding of continuous plating plant for stripes	Control system type SlotronicPro with laser positioning Rebuilding and converting of existing plant to zinc plating plant for "bisteel" New roll off and roll on equipment. New inside design at plating tanks. New layout. New rectifiers, cooling system, ventilation. New control system, SlotronicPro. New closed waste water system via vacuum evaporators
Beslag och Metall AB Sweden	2008/2009	1 pc new fully automatic double barrel zinc plant with dip spin system.	One line barrel plant for zinc plating with cross transport to fully automatic post treatment in centrifuge baskets 2 pc transporters in barrel line and 2 pc transporters in centrifuge line with handler equipped with rotation and tilt system Cover robot for barrels and automatic loading via double vibrator feeders and pallet tipper. Tanks. 2800x800x900 Capacity: 2000 kg/h
TrioPerfekta AB (Cejn) Sweden	2008	1 pc new control system.	Control system type SlotronicPro with laser positioning
Dala Krom och Metallsliperi AB Sweden	2008	1 pc new rack plating plant for nickel and chrome.	Complete one line fully automatic rack plating plant. 1 pc transporter, loading wagons. Control system, SlotronicPro, with laser positioning, Ventilation, rectifiers. Tanks: 2300x800x1100
Sjöbloms	2008	New tanks and installation for a	Complete tanks and tank

Sjukvårdsutrustning AB Sweden		complete nickel and chrome plant	equipment for a 2 line nickel and chromium plant. New drier and cross transporter Mechanical and piping installation Tanks: 2500x800x1100
Hydro Aluminiumprofiler A.S Norway	2008	Fully automation of existing anodising plant and extension with storage system	New control system, SlotronicPro, with laser positioning and complete new electrical installation. Some new process tanks, tank with 7000 mm. In plating line 4 pc transporters with tilt function and lifting capacity of 2000 kg. New storage med 5 pc loading stations and 2 pc transporters. Complete installation
VingCard A.S i Moss, Norway	2007	1 pc new control system	Control system type SlotronicPro with laser positioning
Proton Forsheda Sweden	2007	Rebuilding of existing plating plant to zinc/nickel processes.	Ion exchangers, rectifiers, zinc solve tanks, Carbolux (christolysator)
Steece AB Sweden	2007	1 pc new rack plating plant for zinc and zinc/iron1	Complete fully automatic 2 line rack plating plant. 3 pc transporters, 2 cross transporters, storage, 3 loading stations. Control system, Slotronic Pro, with laser positioning. Ventilation and rectifiers. Tanks: 2200x700x1100
Proton Hillerstorp Sweden	2007	1 pc new fully automatic double barrel zinc plant with dip spin system	One line barrel plant with reloading to fully automatic post treatment plant for double centrifuge baskets. 1 pc transporter with rotation and tilt system for baskets. 6 pc centrifuges drier and 2 pc dip spin systems.
Idesta AB Sweden	2007	1 pc new control system	Control system type SlotronicPro with laser positioning
TrioPerfekta AB (Cejn) Sweden	2007	1 pc new control system	Control system type SlotronicPro with laser positioning
Proton Finishing AB, Huskvarna Sweden	2007	1 pc rebuilding of existing rack plating plant for silver	Rebuilding of existing transporters with tilt equipment.

				New driers, air blow off and tanks
Proton Finishing AB, Huskvarna Sweden	2007	1 pc rebuilding of existing rack plating plant to new plant for plating on plastic (PoP). Vacuum evaporator for rinse water after electroless nickel	Complete 2 line rack plating plant with 100 stations. 4 pc transporters, 2 pc cross transporters. Tanks: 3000x450x1300	
Swedcote AB, Mullsjö Sweden	2007	1 pc new manual centrifuge plant with dip spin system	One line centrifuge plant. Semi automatic handling of 2 pc centrifuges and 1 pc dip spin system.	
Proton Huskvarna Sweden	2006/2007	Rebuilding of existing plating plant for nickel and chrome.	New nickel tanks and rectifiers	
Mustad & Son A.S Norway	2006	1 pc new plating plant for fishing hooks with tin	Fully automatic 2 line plating plant with 6 pc transporters. Control system Slotronic Pro with laser positioning. Ventilation and rectifiers Tanks: 2000x700x1300	
Provexa AB Sweden	2006	1 pc new rack plating plant for anodising, copper, tin, silver, nickel, chrome, electroless nickel..	Complete 4-line rack plating plant. 140 stations and 11 pc of transporters. 5 pc cross transporters. Tanks: 3000x700x1300	
Swedecote AB Sweden	2006	1 pc extension of existing rack plating plant with storage system	New storage with loading stations and transporters, rails. New drier and some new tanks in plant Tanks: 4000x800x1800	
Sjöbloms Sjukvårdsutrustningar AB Sweden	2006	1 pc new transport system incl. 2 pc transporters	New rails and framework. 2 pc of transporters	
Beslag och Metall Sweden	2006	Extension of existing rack plating plant.	Extension of existing plant with transport system, 2 pc transporters, 4 pc automatic load-/unload wagons and storage system.	
Micro Matic A/S Denmark	2005	1 pc rebuilding of rack plating plant for nickel and chrome	New control system with laser positioning. Rebuilding of process tanks.	
Micro Matic GmbH Germany	2005	Demounting for renovation of rack plating plant for nickel and chrome and waste water treatment	To be mounted in new factory during spring 2006	
SAPA Finspång Sweden	2005	1 pc new anodising plant	Delivery of equipment for new anodising Big tanks made of PP:	

				21400x1100x1950
Beslag och Metall Sweden	2005	1 pc rebuilding of rack plating plant for zinc	New control system, Slotronic Pro, with laser positioning. Some new complete process tanks. New transporters. New rectifiers. New electrical installation	
GF Ytbehandling Sweden	2005	1 pc new anodising plant	Fully automatic one line plating plant with control system, Slotronic Pro. Cooling system for anodising Tanks: 4000x1000x2000	
Kafa Guldindustri Sweden	2004	1 pc rebuilding of plating plant for silver, L6	New special tanks and storage	
Staffanstorps Galv Sweden	2004	1 pc new barrel plating plant for zinc	One line barrel plant with 1 pc transporter with laser positioning. Tanks: 1600x800x900 All rinses recalculated over ion exchangers	
Trio Perfekta Sweden	2004	Rebuilding of waste water treatment	New tanks and polishing with sand filter	
Proton Markaryd Sweden	2004	1 pc rebuilding of barrel plating plant for copper, tin, nickel, brass.	New control system, Slotronic Pro. Some new tanks. Rebuilding of cover robot. Packaging equipment for hooks. Rebuilding of loading system. New special barrels	
Mustad A.S Norway	2003	1 pc rebuilding of special plating plant type CPL	2 pc new transporters with laser positioning and with a special agitation handler for baskets. New control system and electrical installation. Transport system for storage and load/unloading of baskets.	
Eskilstuna Ytb Sweden	2003	1 pc rebuilding of rack plating plant for zinc	Rebuilding to new layout New storage with 3 loading stations. 2 pc cross transporters. 5 pc transporters with laser positioning. New control system New rectifiers	
Proton Huskvarna Sweden	2003	1 pc rebuilding of rack plating plant	Rebuilding of existing plant to electroless nickel.	

El-yta Sweden	2003	1 pc rebuilding of rack plating plant for zinc	<p>New control system</p> <p>New process tanks 4000x1000x1400. 3 pc new transporters. New drier. New control system with laser positioning. New rectifiers New ventilation Electrical and pipe installation Rebuilding of existing main switch cabinet.</p>
Kafa Guldindustri Sweden	2003	1 pc rebuilding of plating plant for silver, L2	New control system
Vårgårda Kromverk Sweden	2002/03	1 pc new fully automatic double barrel zinc plant	<p>One line barrel plant for zinc plating with cross transport to fully automatic post treatment in centrifuge baskets 2 pc transporters in barrel line and 2 pc transporters in centrifugeline with handler equipped with rotation and tilt system Cover robot for barrels and automatic loading via double vibrator feeders and pallet tipper. Tanks. 3000x800x900 Capacity: 2000 kg/h</p>
Bulten Produktion AB Sweden	2002/03	1 pc new fully automatic double barrel zinc plant	<p>One line barrel plant for zinc plating with cross transport to fully automatic post treatment in centrifuge baskets 2 pc transporters in barrel line and 2 pc transporters in centrifugeline with handler equipped with rotation and tilt system Cover robot for barrels and automatic loading via double vibrator feeders and pallet tipper. Tanks. 2400x800x900 Capacity: 2000 kg/h</p>
Kafa Guldindustri Sweden	2002	1 pc rebuilding of plating plant for silver	<p>Mechanical agitation in all rinses and silver tanks. Rinse with high pressure spray. Special drier Storage</p>
Edquists förnickling Sweden	2002	1 pc closed waste water treatment	Closed waste water system via vacuum evaporators

Trio Perfekta Sweden	2002	1 pc new rack plating plant for nickel and chrome	One line rack plating plant with 3 pc transporters and laser positioning. 7 pc automatic loading wagons Tanks: 3500x800x1400
Bodycote K-holm Sweden	2002	1 pc rebuilding of rack plating plant for electroless nickel	One line rack plating plant with cross transport to "future!". 1 pc transporter with laser positioning. New control system Some new tanks
Excellent Sweden	2001	Moving of factory to new building: 1 pc new rack plating plant for nickel and chrome 1 pc new rack plating plant for zinc	2 pc new rack plating plants. Each with 1 pc transporter with laser positioning
TeeNess A.S Norway	2001	1 pc new rack/barrel plating plant for oxidising 1 pc closed waste water treatment	Combined rack and barrel plant for black oxidising 1 pc transporter with laserpositioning Tanks: 1500x600x1200 Ultra sonic in rinses Closed waste water system via vacuum evaporators
Mustad A.S Norway	2001	1 pc total make over of plating plant for tin on fishing hooks	New tanks and control system with laser positioning. New ventilation and rectifiers New electrical and piping installation
NCS Grythyttan Sweden	2001	1 pc new rack plating plant for acid zinc 1 pc closed waste water treatment	O formatted combined rack and barrel plant for zinc. 4 pc transporters with laser positioning. 40 stations in storage Tanks 3500x1000x2200 Closed waste water system via vacuum evaporators
Ruko A/S Denmark	2001	1 pc rebuilding of plating plant for nickel and chrome	New control system with laser positioning. Some new tanks. New rectifiers
Emmaljunga Sweden	2001	1 pc rebuilding of rack plating plant	New control system Rebuilding of process tanks. New filters and rectifiers
Pressmaster Tool Sweden	2000	1 pc new rack/barrel plating plant for oxidising 1 pc closed waste water treatment	One line rack/barrel plating plant for black oxidising 1 pc transporter with laser positioning. Ultra sonic in rinses

				Tanks: 1500x600x1200 Closed waste water system via vacuum evaporators
Anodic Sweden	2000	1 pc rebuilding of anodising plant		New transporters and rails New flight bars, pick ups, cooling coils and cooling machine. New loading station
Bodycote Gnosjö (tidigare Gnosjö Yttek) Sweden	2000	1 pc storage system to existing rack plating plant for nickel and tin		Storage system to existing plant and new tanks for new processes. 2 pc new transporters with laser positioning and extension of existing PLC with new PLC communicating with the old via ProfiBus. New loading stations
Vårgårda Kromverk Sweden	2000	1 pc end polishing of waste water		Sand filter, drum filter and ion exchangers
Kromverken Sweden	2000	1 pc new anodising plant		One line rack plating plant for anodising wit 1 transporter with laser positioning
Kromverken Sweden	1999-2001	Rebuilding of burned down factory 1 pc rack plating plat for zinc 1 pc rack plating plat for nickel, chrome 1 pc rack plating plat for silver, cupper, tin		New control system with laser positioning. 5 pc new transporters and some existing. New tanks and driers New rectifiers Complete installation
Trio Perfekta Sweden	1999	1 pc new barrel plating plant for nickel and zinc		One line barrel plant with 2 pc transporters with laser positioning. Tanks: 1600x800x900 Drier for barrels
Beslag & Metall Sweden	1999	1 pc batch waste water treatment		3 pc treatment tanks with all dosing and control equipment. Complete installation. Treatment is used for acid/alkaline, cyanide and chromium concentrates
Gnosjö Yttek Sweden	1999	1 pc new rack plating plant for nickel and chrome		One line rack plant with 3 pc transporters with laser positioning. Tanks: 3200x700x1350 Very low high to roof: 3200
Gnosjö Yttek Sweden	1999	1 pc rebuilding of barrel plating plant for silver		New transporters with laser positioning

Kafa Guldindustri Sweden	1999	1 pc new rack plating plant for silver	U formatted rack plating plant with 2 pc transporters with tilt system and laser positioning. Tanks: 1800x700x1200
ABB i Skien Norway	1999	1 pc rack plating plant for silver 1 pc rack/barrel plating plant for zinc 1 pc closed waste water treatment	2 pc one line rack plating plants with each 3 pc transporters with laser positioning. Tanks: New and existing Closed waste water system via vacuum evaporators
Bundy Sweden	1998	1 pc waste water treatment	New waste water treatment after with continuous cleaning sand filter
Gnosjö Yttek Sweden	1998	1 pc new barrel plating plant for phosphate	One line barrel plant with 1 pc transporter with laser positioning. Closed waste water system via vacuum evaporator
Holmbergs Ind Sweden	1998	1 pc rebuilding of rack plating plant for nickel and chrome	New control system New tanks and polishing of waste water with ion exchangers
Västbo Galvan Sweden	1998	1 pc rebuilding of rack plating plant for zinc/iron	2 pc new transporters New control system with laser positioning New tanks
Vårgårda Kromverk Sweden	1998	1 pc rebuilding and compliment with new line for rack plating plant for zinc	New storage with cross transporter, 2 pc new transporters in line, renovation of 2 pc existing transporters. New control system with laser positioning. New tanks, driers, rectifiers. New electrical and piping installation. New biological degreasing system
Danielsson Sweden	1997	1 pc rebuilding of anodising plant	New transporters and control system with laser positioning. New cooling machine with heat exchangers. Some new tanks.
Danielsson, Visby Sweden	1997	1 pc rebuilding of anodising plant	New cooling machine with control units. New anodising tank.
Ruko A/S Denmark	1997	1 pc rebuilding of rack plating plant for gold	New tanks and driers. New control system with laser positioning

Mjölby Galvaniska Sweden	1997	1 pc new barrel plating plant for zinc	One line for barrels 1 pc transporter and control system
Pettersons Järnf Sweden	1997	1 pc rebuilding of waste water treatment	New waste water treatment after with continuous cleaning sand filter
Preciform Sweden	1996	1 pc rebuilding of anodising plant	One line with 1 pc transporter. New control system with laser positioning Tanks: Some existing
Mjölby Galvaniska Sweden	1996	1 pc rebuilding of rack plating plant for zinc	2 pc new transporters. New tanks i PP New Control System
Anodic Sweden	1996	1 pc new anodising plant	One line with 1 pc transporter with laser positioning Tanks: 3200x700x1200
Nikro Galvano/Provexa Sweden	1995-96	1 pc new zinc plant for rack plating	One line with storage and 3 pc transporters. Tanks: 3500x700x1400
		1 pc new fully automatic barrel zinc plant	One line for barrels and with cross transporter for further plating in fully automatic post treatment plant for centrifuge baskets. 2 pc transporters in barrel plant and 1 pc in centrifuge plant. Cover robot and fully automatic load-/unloading Tanks: 2000x800x900
ASSA Industrier Sweden	1995	1 pc new barrel plating plant several processes	One line for barrels with 2 pc transporters. Tanks: 1600x800x900
Kafa Guldindustri Sweden	1994	1 pc new silver plant for rack plating	U-formatted plant with 2 pc transporters. Tanks:: 2000x800x1200