

WILAPLAT SYSTEM GALVANIK

■ Price list 1/2008



■ WILAPLAT Electroplating System Examples

■ Example Unit 1

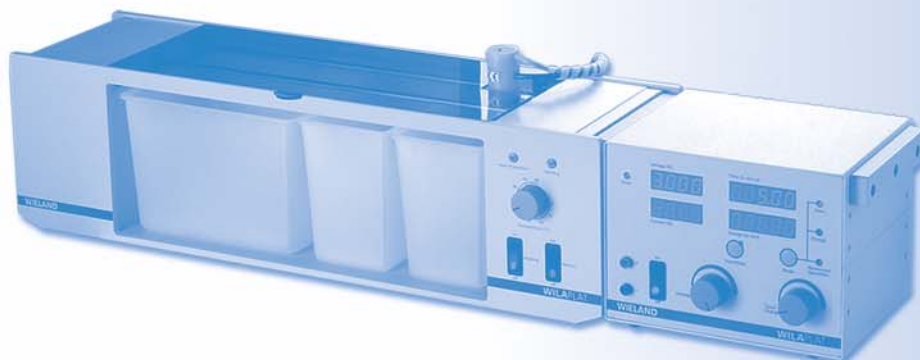
		€ plus VAT
Ref.-No. 75-06-0010	WILAPLAT rectifier	1280,-
Ref.-No. 75-06-0100	Tank holder WT 3 HRB	1045,-
Ref.-No. 70-44-0001	4 x PPH tank with cover 1,5 l	104,-
Ref.-No. 70-34-0006	Quartz immersion heater	141,-
Ref.-No. 70-29-0002	Sensor	134,-
Total		2704,-

1.1 Gold preplating / Gold plating / Color gilding

		Volume / items	PM	€ plus VAT
Ref.-No. 3040400103	Electrolytic degreaser ZFM	1,5 l		10,50
Ref.-No. 3070100102	Preplating gold bath AC3 SSF	1,5 l	4,5 g Au	33,-*
Ref.-No. 3080100602	Gold plating bath 750 SC	1,5 l	6 g Au	41,70*
Ref.-No. 3100100102	Savor color gilding bath 1 N 14	1,5 l	1,5 g Au	19,20*
Ref.-No. 79-60-0008	Anodes made of V2A stainless steel 110x60 mm	4 pieces		39,60
Ref.-No. 79-60-0010	Anodes made of platinized titanium 110x60 mm	4 pieces		356,-
Total				500,-*

1.2 Silver plating / Rhodium plating

Ref.-No. 3040400103	Electrolytic degreaser ZFM	1,5 l		10,50
Ref.-No. 3090300202	Bright silver bath	1,5 l	45 g Ag	25,95*
Ref.-No. 3130400702	Electrolytic anti-tarnish solution for silver	1,5 l		45,45
Ref.-No. 3110200102	Blancadur Ti bright rhodium bath, ready-to-use	1,5 l	3 g Rh	72,-*
Ref.-No. 79-60-0008	Anodes made of V2A stainless steel 110x60 mm	2 pieces		19,80
Ref.-No. 79-60-0010	Anodes made of platinized titanium 110x60 mm	2 pieces		178,-
Ref.-No. 79-70-0002	Anodes made of pure silver 100x50 mm	2 pieces	220 g Ag	40,60*
Ref.-No. 79-60-0011	Anodes made of pure nickel 100x50 mm	2 pieces		51,-
Total				443,30*



■ Example unit 2

Ref.-No. 75-06-0010	WILAPLAT rectifier	1280,-	€ plus VAT
Ref.-No. 75-06-0040	Tank holder WT 1 B	775,-	
Ref.-No. 70-44-0001	2 x PPH tank with cover 1,5 l	52,-	
Total		2107,-	

2.1 Rhodium plating

		Volume/pieces	PM	€ plus VAT
Ref.-No. 3040400103	Electrolytic degreaser ZFM	1,5 l		10,50
Ref.-No. 3110200102	Blancadur Ti bright rhodium bath, ready-to-use	1,5 l	3 g Rh	72,-*
Ref.-No. 79-60-0008	Anodes made of V2A stainless steel 110 x 60 mm	2 pieces		19,80
Ref.-No. 79-60-0010	Anodes made of platinized titanium 110 x 60 mm	2 pieces		178,-
Total				280,30*

2.2 Silver plating

Ref.-No. 3040400103	Electrolytic degreaser ZFM	1,5 l		10,50
Ref.-No. 3090300202	Bright silver bath	1,5 l	45 g Ag	25,95*
Ref.-No. 79-60-0008	Anodes made of V2A stainless steel 110 x 60 mm	2 pieces		19,80
Ref.-No. 79-70-0002	Anodes made of pure silver 100 x 50 mm	2 pieces	220 g Ag	40,60*
Total				96,85*

2.3 Gold plating

Ref.-No. 3040400103	Electrolytic degreaser ZFM	1,5 l		10,50
Ref.-No. 3080100602	Gold plating bath 750 SC	1,5 l	6 g Au	41,70*
Ref.-No. 79-60-0008	Anodes made of V2A stainless steel 110 x 60 mm	2 pieces		19,80
Ref.-No. 79-60-0010	Anodes made of platinized titanium 110 x 60 mm	2 pieces		178,-
Total				250,-*



* The precious metal contents are charged at daily quotation (elaborated price).

■ WILAPLAT Electroplating System

WILAPLAT Electroplating System – rectifier

		Price per	€ plus VAT
Ref.-No. 75-06-0010	WILAPLAT rectifier with digital display Including ref. no. 70-69-0001 and 70-32-0002	item	1280,-

Tank holders including cover

Ref.-No. 75-06-0040	Tank holder WT 1 B – basic model with agitation, without heating	item	775,-
Ref.-No. 75-06-0100	Tank holder WT 3 HRB with agitation, with electronic temperature control and automatic cutoff when bath volume is insufficient	item	1045,-

Tanks, connectors, immersion heater and sensor are not included in delivery of the tank holder.

Tanks

Ref.-No. 70-44-0001	PPH-tank 100 x 150 x 150 mm (1,5 l) with cover	item	26,-
Ref.-No. 70-44-0020	PPH-tank 200 x 150 x 150 mm (3,0 l) with cover	item	32,-

Immersion heaters

Ref.-No. 70-34-0002	Quartz immersion heater with plug switch, length 160 mm	item	152,-
Ref.-No. 70-34-0003	Quartz immersion heater with connection for tank holder, 200 W, length 160 mm	item	152,-
Ref.-No. 70-34-0004	Stainless steel immersion heater with plug switch, not suitable for acidic baths, length 160 mm	item	178,-
Ref.-No. 70-34-0005	Stainless steel immersion heater with connection for tank holder, not suitable for acidic baths, length 160 mm	item	178,-
Ref.-No. 70-34-0006	Quartz immersion heater with connection for tank holder, length 140 mm for the current system	item	141,-
Ref.-No. 70-29-0002	Sensor , temperature sensor and sensor for automatic cutoff when bath volume is insufficient for immersion heater ref. no. 70-34-0006	item	134,-

Other immersion heaters on request.

WILAPLAT Electroplating System – accessories

Ref.-No. 70-69-0001	Standard workpiece hanger	item	18,-
Ref.-No. 79-00-0010	Copper rods for standard workpiece hanger	packing unit of 50 pieces	10,50
Ref.-No. 70-69-0002	Workpiece suspension rack version 1 with 30 exchangeable hooks for 3 litre tank	item	200,-
Ref.-No. 70-69-0003	Workpiece suspension rack version 2 with 16 exchangeable hooks for 1,5 litre tank	item	166,-
Ref.-No. 70-69-0004	Exchangeable hooks for ref. nos. 70-69-0002 / 70-69-0003	item	-,20
Ref.-No. 75-06-0090	Wilatherm 3000 temperature control	item	185,-
Ref.-No. 70-83-0013	Masking pen (blue)	item	12,70
Ref.-No. 70-32-0002	1 kit of connectors (3 pieces)	kit	8,-
Ref.-No. 79-00-0011	Copper wire (annealed) 0,3 mm on reel for binding together smaller pieces	item	13,90
	Perspex covers for tank holders , only for re-order		
Ref.-No. 70-44-0110	for WT 1	item	19,30
Ref.-No. 70-44-0050	for WT 2	item	21,50
Ref.-No. 70-44-0230	for WT 1 HRB	item	37,20
Ref.-No. 70-44-0240	for WT 2 HRB	item	37,20
Ref.-No. 70-44-0250	for WT 3 HRB	item	47,70

Other workpiece suspension racks on request.

Anodes

		Price per	€ plus VAT
Ref.-No. 79-60-0008	Anodes made of stainless steel V2A 110x60 mm with hanger, usable for electrolytical degreasing, color gilding as well as for electrolytical polishing of gold and silver alloys	item	9,90
Ref.-No. 79-60-0009	Special anodes made of platinized titanium 100x30 mm with hanger, usable for rhodium plating, NOVAPAL palladium nickel plating, gold pre plating, and gold plating as well as for all acidic precious metal electrolytes	item	43,-
Ref.-No. 79-60-0010	Special anodes made of platinized titanium 110x60 mm with hanger, usable for rhodium plating, NOVAPAL palladium nickel plating, gold preplating, and gold plating as well as for all acidic precious metal electrolytes	item	89,-
Ref.-No. 79-60-0011	Anodes made of pure nickel 100x50 mm with hanger for WILAPLAT bright nickel baths, nickel preplating baths and other nickel baths (for 1,5 l tank)	item	25,50
Ref.-No. 79-60-0012	Anodes made of copper 100x50 mm with hanger for all cyanidic copper baths (for 1,5 l tank)	item	22,60
Ref.-No. 79-60-0004	Anodes made of copper (phosphoric) 170x100 mm with hanger for acidic copper baths (for 3 l tank)	item	48,-
Ref.-No. 79-70-0002	Anodes made of pure silver 100x50 mm with hanger for all matt and bright silver baths, plus approx. 110 g silver content at daily quotation (elaborated price) for 1,5 l tank	labour costs/ item	20,30*
Ref.-No. 79-70-0001	Anodes made of pure silver 170x100 mm with hanger for all matt and bright silver baths, plus approx. 550 g silver content at daily quotation (elaborated price) for 3 l tank	labour costs/ item	42,50*
Ref.-No. 79-60-0013	Anodes made of copper 200x50 mm with hanger for all cyanidic copper baths	item	32,40
Ref.-No. 79-60-0014	Anodes made of copper (phosphoric) 200x50 mm with hanger for acidic copper baths	item	32,40
Ref.-No. 79-60-0015	Anodes made of pure nickel 200x50 mm with hanger for WILAPLAT bright nickel baths, nickel preplating baths and other nickel baths	item	33,-
Ref.-No. 79-60-0016	Anodes made of stainless steel V2A 200x50 mm with hanger, usable for electrolytical degreasing, color gilding as well as for electrolytical polishing of gold and silver alloys	item	14,-
Ref.-No. 79-60-0017	Special anodes made of platinized titanium 200x50 mm with hanger, usable for rhodium plating, NOVAPAL palladium nickel plating, gold pre plating, and gold plating as well as for all acidic precious metal electrolytes	item	170,-

Other anodes and special dimensions on request.

■ RHODINETTE 2

RHODINETTE 2 Fibre electrode plating unit

Ref.-No. 75-05-0010	RHODINETTE 2, rectifier with contact plate voltage-stabilised and double insulated for 100–240 V ~ 50/60 Hz, max. output current 1,5 A <ul style="list-style-type: none"> ▪ 1 Electrode pen, black with 1,2 g platinum insert and connecting cable with plug ▪ 1 cable with plug and workpiece clip 1 electrolyte glass jar Ø 40 mm with lid, ▪ 5 spare fibre tips (Ø 3,7 mm, length 22 mm) 	item	260,-*
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* The precious metal contents are charged at daily quotation (elaborated price).

Accessories for RHODINETTE 2

		Price per	€ plus VAT
Ref.-No. 70-70-0001	1 Electrode pen black with 1,2 g platinum insert and connecting cable mit plug Available in black, yellow and red	item	41,20*
Ref.-No. 70-79-0010	Fibre electrodes (Ø 3,7 mm, length 22 mm)	packing unit of 5 pieces	1,60
Ref.-No. 70-79-0005	Fibre electrodes , with extra fine tip (Ø 2 mm, length 22 mm) for especially fine works	packing unit of 3 pieces	2,60
Ref.-No. 72-34-0014	Electrolyte glass jar Ø 40 mm with lid	item	7,80
Ref.-No. 70-70-0004	Cable with plug and workpiece clip	item	23,90
Ref.-No. 70-70-0005	Contact plate	item	19,20
Ref.-No. 70-33-0070	Mains adaptor	item	11,10
Ref.-No. 70-83-0013	Masking pen (blue)	item	12,70
Ref.-No. 70-83-0014	Masking pen (red / fine)	2 items	8,40
Ref.-No. 70-83-0025	Masking pen (red / broad)	2 items	8,40

Extension set for brush plating

Ref.-No. 75-99-0005	Extension set for larger areas , including ref. no. 70-79-0006, 70-70-0330, 70-70-0340, 72-34-0017, 70-70-0360, 70-70-0006, 70-33-0070	set	125,-
Ref.-No. 70-79-0006	Graphite anode	item	15,60
Ref.-No. 70-70-0330	Felt sleeve for graphite anode , (one layer)	item	3,60
Ref.-No. 70-70-0340	Felt sleeve for graphite anode , (two layer)	item	4,30
Ref.-No. 72-34-0017	Electrolyte glass jar Ø 50 mm with lid	item	7,40
Ref.-No. 70-70-0360	Large anode holder with chuck and cable	item	74,40
Ref.-No. 70-70-0006	Extension plate for brush plating	item	26,40

Baths for the RHODINETTE fibre electrode plating unit

Ref.-No. 3010100102	RHODINETTE Fine gold bath, ready-to-use, with 2 g gold content UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II	100 ml bottle	20,90*
Ref.-No. 3010100202	RHODINETTE Yellow gold bath, ready-to-use, with 2 g gold content UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II	100 ml bottle	20,90*
Ref.-No. 3010100302	RHODINETTE Pale gold bath, ready-to-use, with 2 g gold content UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II	100 ml bottle	20,90*
Ref.-No. 3010100402	RHODINETTE Red gold bath, ready-to-use, with 2 g gold content UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II	100 ml bottle	20,90*
Ref.-No. 3010200102	RHODINETTE RHODINETTE Bright rhodium bath, ready-to-use, with 2 g rhodium content UN 2796 Sulphuric acid, mixture, 8, II	100 ml bottle	40,70*
Ref.-No. 3010200202	RHODINETTE Black rhodium bath, ready-to-use, with 2 g rhodium content UN 2796 Sulphuric acid, mixture, 8, II	100 ml bottle	44,60*
Ref.-No. 3010200302	RHODINETTE Blue rhodium bath, ready-to-use, with 2 g rhodium content UN 2796 Sulphuric acid, mixture, 8, II	100 ml bottle	44,60*
Ref.-No. 3010300102	RHODINETTE Silver bath, ready-to-use, with 3 g silver content UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoargentate), 6.1, II	100 ml bottle	12,80*
Ref.-No. 3010200402	RHODINETTE Novapal bath, ready-to-use, with 2 g palladium content	100 ml bottle	22,-*
Ref.-No. 3010400102	RHODINETTE Electrolytic tinting bath for silver alloys UN 1805 Phosphoric acid, solution, 8, III	100 ml bottle	8,70
Ref.-No. 3010400202	RHODINETTE Hot degreaser	1000 ml bottle	11,-
Ref.-No. 3010200502	RHODINETTE Pure palladium bath, ready-to-use, with 2 g palladium content	100 ml bottle	22,-*
Ref.-No. 3010400302	RHODINETTE Electrolytical degreaser	1000 ml bottle	11,-
Ref.-No. 3010400402	RHODINETTE Nickel bath, ready-to-use	100 ml bottle	11,-
Ref.-No. 3010400502	RHODINETTE Copper bath, ready-to-use	100 ml bottle	11,-

Attention: For application on brush plating it is necessary to dilute the Rhodinette baths from 100 ml up to 300 ml with deionized water.

■ Wilasonic

Wilasonic Ultrasonic cleaning unit

		Price per	€ plus VAT
Ref.-No. 75-03-0010	Ultrasonic cleaning unit Wilasonic	item	876,-
Accessories:			
Ref.-No. 72-40-0005	Beakers made of Duran glass 600 ml	item	8,90
Ref.-No. 70-58-0001	Retaining ring for beaker	item	2,10
Ref.-No. 70-44-0006	Cleaning basket , stainless steel, 75 mm Ø	item	54,50
Ref.-No. 70-44-0008	Cleaning basket , plastic, 75 mm Ø	item	21,20
Ref.-No. 70-44-0007	Cleaning basket , stainless steel, 180 x 80 mm	item	60,60
Ref.-No. 70-44-0009	Cleaning basket , plastic, 180 x 80	item	33,-

Ultrasonic cleaners

Ref.-No. 3020400103	Puro S universal high alkaline cleaner for precious and coloured metals, powder UN 3262 Corrosive solid, basic, inorganic, n.o.s. (sodium metasilicate), 8, III	0,5 kg/per kg 1,0 kg/per kg 5,0 kg/per kg	21,- 13,50 12,20
Ref.-No. 3020400201	Cleaner concentrate Supra GZ , phosphorous acidic cleaner for precious and coloured metals UN 1805 Phosphoric acid, solution, 8, III	1 l/per l 5 l/per l	27,50 22,50
Ref.-No. 3020400301	Supra PF universal alkaline cleaner, specially for precious metals, as a liquid concentrate for touch up worn jewellery	1 l/per l 5 l/per l	27,50 22,50

■ Titancolor II – Titanium tinting electrolyte

Solutions for titanium treatment

Ref.-No. 3030400102	Titanium tinting electrolyte UN 1805 Phosphoric acid, solution, 8, III	1 l/per l 5 l/per l 10 l/per l 20 l/per l	24,- 19,- 15,- 12,-
Ref.-No. 3030400202	Titanium pickling solution UN 2922 Corrosive liquid, toxic, n.o.s. (nitric acid, hydrofluoric acid), 8, (6.1), II	1 l/per l 5 l/per l 10 l/per l 20 l/per l	24,- 19,- 15,- 12,-
Ref.-No. 3030400302	Special titanium pickling solution UN 2922 Corrosive liquid, toxic, n.o.s. (nitric acid, hydrofluoric acid), 8, (6.1), II	1 l/per l 5 l/per l 10 l/per l 20 l/per l	24,- 19,- 15,- 12,-
Ref.-No. 3030400402	Electrolytic titanium pickling solution UN 2922 Corrosive liquid, toxic, n.o.s. (nitric acid, hydrofluoric acid), 8, (6.1), II	1 l/per l 5 l/per l 10 l/per l 20 l/per l	24,- 19,- 15,- 12,-

■ Chemicals and accessories for the precious metal electroplating technique

Degreasers

Ref.-No. 3040400103	Wilaplat ZFM electrolytic degreaser cyanide-free, make-up salt UN 3262 Corrosive solid, basic, inorganic, n.o.s. (sodium metasilicate), 8, III	1 l/per l 10 l/per l	7,- 3,-
Ref.-No. 3040400102	Wilaplat ZFM electrolytic degreaser cyanide-free, ready-to-use	1 l/per l 5 l/per l	11,- 6,90
Ref.-No. 3040400303	Wilaplat Spezial electrolytic degreaser , cyanidic, make-up salt UN 1588 Cyanides, inorganic, solid, n.o.s. (potassium cyanide, sodium hydroxide), 6.1, II	1 l/per l 10 l/per l	9,60 6,10
Ref.-No. 3040400302	Wilaplat Spezial electrolytic degreaser , cyanidic, ready-to-use UN 1760 Corrosive liquid, n.o.s. (sodium hydroxide, potassium cyanide), 8, II	1 l/per l 5 l/per l	12,10 7,70

* The precious metal contents are charged at daily quotation (elaborated price).

Pretreatment

		Price per	€ plus VAT
Ref.-No. 3050400102	Wilaplat nickel bath RH 1 ready-to-use	1 l/per l	16,50
		5 l/per l	11,50
Ref.-No. 3050400202	Wilaplat high performance bright nickel bath WN 1 with levelling effect, ready to use	1 l/per l	16,50
		5 l/per l	11,50
Ref.-No. 3050400402	Wilaplat nickel preplating bath (acidic) ready to use, for creating an adhesive layer on stainless steel UN 3287 Toxic liquid, inorganic, n.o.s. (nickel chloride), 6.1, III	1 l/per l	16,50
		5 l/per l	11,50
Ref.-No. 3050400502	Copper bath (containing cyanide) , ready to use for copper preplating of iron, steel and tin UN 3413 potassium cyanide, solution, n.o.s. 6.1, II	1 l/per l	17,60
		5 l/per l	12,60

Electroforming

e.g. for reproduction coins, parts of plants, restoration work

Ref.-No. 3060300102	Conductive silver paint UN 1993 Flammable liquid, n.o.s. (Ethanol, Acetone), 3, II, Special instruction 640 D	5 g	27,80
Ref.-No. 3060300202	Conductive silver powder	10 g	34,50
Ref.-No. 70-79-0007	Badger hair applicator brushes, assorted	3 items	8,70
Ref.-No. 3060400102	Brush cleanser/dilution UN 1173 Ethylacetate, 3, II	25 ml	6,90
Ref.-No. 3060400202	Galvanoplast high performance bright copper bath ready to use (acidic)	1 l/per l	19,20
		5 l/per l	17,20
Ref.-No. 3060300302	Galvanoplast high performance bright silver bath , (containing cyanide), with 30 g Ag/l UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoargentate), 6.1, II	1 l/per l	17,40*
		5 l/per l	12,40*

Preplating gold baths

Ref.-No.. 3070100102	Wilaplat preplating gold bath AC 3 highly acidic, with 3 g Au/l, ready-to-use	1 l/per l 5 l/per l	22,-* 16,90*
Ref.-No. 3070100104	Replenisher parts I + II with 100 g Au/l for ref. no. 7770 UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II	1 l/per l	173,50*

Gold plating baths

Ref.-No. 3080100102 Ref.-No. 3080100202 Ref.-No. 3080100302 Ref.-No. 3080100402 Ref.-No. 3080100502	Wilaplat gold plating bath 750 S , acidic, with 8 g Au/l, ready-to-use SC SI SCI Fe-In SN UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II	1 l/per l	49,90*		
		5 l/per l	44,90*		
		Ref.-No. 3080100602 Ref.-No. 3080100702 Ref.-No. 3080100802 Ref.-No. 3080100902 Ref.-No. 3080101002	Wilaplat gold plating bath 750 S , acidic, with 4 g Au/l, ready-to-use SC SI SCI Fe-In SN	1 l/per l	27,80*
				5 l/per l	22,80*
				Ref.-No. 3080101402	Quator red gold plating bath with 5 g Au/l, ready-to-use UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II
5 l/per l	44,90*				
Ref.-No. 3080101504 Ref.-No. 3080101604 Ref.-No. 3080101704 Ref.-No. 3080101804 Ref.-No. 3080101904	Replenisher for gold plating bath 750 S Parts I and II with 100 g Au/l SC SI SCI Fe-In SN UN 1935 Cyanide solution, n.o.s. (potassium dicyanoaurate), 6.1, II	1 l	170,-*		
		100 ml/per l	238,-*		
		Ref.-No. 3080400602	Pale tinter for gold plating baths	100 ml/per l	91,-
				1 l/per l	47,-

* The precious metal contents are charged at daily quotation (elaborated price).

Color gilding baths

		Price per	€ plus VAT
Ref.-No. 3100100101 Ref.-No. 3100100201 Ref.-No. 3100100301 Ref.-No. 3100100401 Ref.-No. 3100100501 Ref.-No. 3100100601	Savor color gilding baths , with 1 g Au/l, 100 ml concentrate for 1 l bath, NIHS standard shades (replenishable) 1 N 14 (14 ct) 1 N 18 (18 ct) 3 N (reddish yellow) 4 N (reddish) 5 N (red) FF (fine gold colour) UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II	100 ml	12,80*
Ref.-No. 3100100102 Ref.-No. 3100100202 Ref.-No. 3100100302 Ref.-No. 3100100402 Ref.-No. 3100100502 Ref.-No. 3100100602	Savor color gilding baths , baths with 1 g Au/l, ready-to-use 1 N 14 (14 ct) 1 N 18 (18 ct) 3 N (reddish yellow) 4 N (reddish) 5 N (red) FF (fine gold colour)	1 l/per l 5 l/per l	16,50* 11,50*
Ref.-No. 3100100104 Ref.-No. 3100100204 Ref.-No. 3100100304 Ref.-No. 3100100404 Ref.-No. 3100100504 Ref.-No. 3100100604	Savor replenishing solution with 10 g Au/l 1 N 14 (14 ct) 1 N 18 (18 ct) 3 N (reddish yellow) 4 N (reddish) 5 N (red) FF (fine gold colour) UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II	100 ml/per l 1 l/per l	86,70* 44,60*
Ref.-No. 3100400102 Ref.-No. 3100400202	Coloring solution for cyanidic gilding baths red pale	100 ml/per l 1 l/per l	86,70 32,-
Ref.-No. 3100101903 Ref.-No. 3100102003 Ref.-No. 3100102103 Ref.-No. 3100102203 Ref.-No. 3100102303 Ref.-No. 3100102403	Wilaplat hard bright gold plating baths with 1 g Au/l, containing cyanide, making-up salt No. 1000 fine gold No. 1055 yellow No. 2010 pale yellow No. 2015 reddish yellow No. 6005 pinkish No. 7500 reddish UN 1588 Cyanides, inorganic, solid, n.o.s. (potassium cyanide, sodium hydroxide), 6.1, II	1 l bath/per l 5 l bath/per l	14,60* 10,70*
Ref.-No. 3100101902 Ref.-No. 3100102002 Ref.-No. 3100102102 Ref.-No. 3100102202 Ref.-No. 3100102302 Ref.-No. 3100102402	Wilaplat hard bright gold plating baths ready-to-use (Nos. 1000-7500) No. 1000 fine gold No. 1055 yellow No. 2010 pale yellow No. 2015 reddish yellow No. 6005 pinkish No. 7500 reddish UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, II	1 l bath/per l 5 l bath/per l	16,20* 12,20*
Ref.-No. 3100102503 Ref.-No. 3100102603 Ref.-No. 3100102703 Ref.-No. 3100102803 Ref.-No. 3100102903 Ref.-No. 3100103003	Pantasol gold plating bath (containing cyanide), make-up salt in yellow bright yellow pale yellow green red reddish UN 1588 Cyanides, inorganic, solid, n.o.s. (potassium cyanide, sodium hydroxide), 6.1, I	1 l bath/per l 5 l bath/per l	14,60* 10,70*

° Only available in Germany.

* The precious metal contents are charged at daily quotation (elaborated price).

Silver plating baths

		Price per	€ plus VAT
Ref.-No. 3090300102°	Wilaplat matt silver bath (containing cyanide) with 20 g Ag/l, make-up salt for 1 l of bath UN 1588 Cyanides, inorganic, solid, n.o.s. (potassium cyanide, potassium dicyanoargentate), 6.1, II	1 l/per l 5 l/per l	11,60* 8,40*
Ref.-No. 3090300202	Wilaplat bright silver bath (containing cyanide) with 30 g Ag/l, ready-to-use UN 1935 Cyanide solution, n.o.s. (potassium cyanide, potassium dicyanoargentate), 6.1, II	1 l/per l 5 l/per l	17,30* 13,40*
Ref.-No. 3090400102	Brightener additive AB for Wilaplat bright silver bath UN 1935 potassium cyanide, solution, n.o.s. 6.1, II	1 l/per l	52,20
Ref.-No. 3090300303	Pantasol silver plating bath (containing cyanide) with 10 g Ag/l, make-up salt UN 1588 Cyanides, inorganic, solid, n.o.s. (potassium cyanide, potassium dicyanoargentate), 6.1, I	1 l/per l 5 l/per l	14,60* 10,70*

Platinum group electrolytes

Ref.-No. 3110200102	Rhodium bath Blancadur Ti ready-to-use, with 2 g Rh/l UN 2796 Sulphuric acid, mixture, 8, II	1 l/per l 5 l/per l	48,-* 37,-*
Ref.-No. 3110200101	Rhodium bath as concentrate (100 ml with 2 g Rh for 1 l bath) UN 2796 Sulphuric acid, mixture, 8, II	100 ml	34,20*
Ref.-No. 3110200104	Replenisher for rhodium bath with 20 g Rh/l UN 2796 Sulphuric acid, mixture, 8, II	per g	16,30*
Ref.-No. 3110200202	Black rhodium bath ready-to-use, with 2 g Rh/l UN 2796 Sulphuric acid, mixture, 8, II	1 l/per l 5 l/per l	53,10* 40,60*
Ref.-No. 3110200201	Black rhodium bath as concentrate (100 ml with 2 g Rh for 1 l bath) UN 2796 Sulphuric acid, mixture, 8, II	1 g	37,80*
Ref.-No. 3110200302	Galvatron platinum bath (neutral) ready-to-use, with 2,5 g Pt/l	1 l/per l 5 l/per l	42,50* 34,80*
Ref.-No. 3110200402	Novapal palladium-nickel plating bath ready-to-use with 10 g Pd/l	1 l/per l 5 l/per l	47,60* 40,-*
Ref.-No. 3110200404	Novapal replenisher with 40 g Pd/l	1 l	138,-*
Ref.-No. 3110200502	Anthrapal pure palladium plating bath (nickel free) ready-to-use, with 5 g Pd/l	1 l/per l 5 l/per l	27,50* 24,50*
Ref.-No. 3110400202	Novapal brightener additive	1 l	84,30
Ref.-No. 3110400302	Anthrapal brightener additive	1 l	84,30
Ref.-No. 3110200602	Ruthenium bath with 5 g Ru/l UN 2796 Sulphuric acid, mixture, 8, II	1 l	71,-*
Ref.-No. 3110200604	Ruthenium replenisher with 20 g Ru/l UN 2796 Sulphuric acid, mixture, 8, II	1 g	12,90*
Ref.-No. 3110400402	Ammonia chemically pure for adjusting the PH value of the Novapal and Anthrapal bath UN 2672 Ammonia solution, 8, III	1 l	19,80

Current-free baths

Ref.-No. 3120100103 Ref.-No. 3120100203 Ref.-No. 3120100303 Ref.-No. 3120100403 Ref.-No. 3120100503 Ref.-No. 3120100603	Pantasol gold plating with aluminium contact, make-up salt for use without external electric current, with 1 g Au/l, containing cyanide, in the shades yellow bright yellow pale green red reddish UN 1588 Cyanides, inorganic, solid, n.o.s. (potassium cyanide, potassium dicyanoaurate), 6.1, I	1 l/per l 5 l/per l	16,20* 11,60*
Ref.-No. 3120400103	Pantasol copper plating make-up salt, with aluminium contact UN 2316 Sodium cuprocyanide, solid, 6.1, I	1 l/per l 5 l/per l	16,20 11,60
Ref.-No. 3120300103	Pantasol silver plating (containing cyanide) with 10 g Ag/l, with aluminium contact, making-up salt UN 1588 Cyanides, inorganic, solid, n.o.s. (potassium cyanide, potassium dicyanoargentate), 6.1, I	1 l/per l 5 l/per l	16,20* 11,60*
Ref.-No. 3120300202	Cold silver plating for repair work	100 g 200 g 500 g from 1 kg/per kg	14,-* 21,30* 41,-* 69,80*
Ref.-No. 3120300302	Luna silver cleaner for silver plated objects	100 g from 1 kg/per kg	11,- 42,50

Special baths

		Price per	€ plus VAT
Ref.-No. 3130400102	Nickel stripper ready-to-use (chemical, acidic) for removing faulty nickel plating and for removing rhodium deposits from nickel preplated surfaces UN 2796 Sulphuric acid, mixture, 8, II	1 l/per l 5 l/per l	14,60 10,60
Ref.-No. 3130400402	Superstrip 100 with potassium cyanide UN 3413 Potassium cyanide solution, 6.1, III	1 l	11,50
Ref.-No. 3130400602	Chemical anti-tarnish dip for silver and silver alloys (contains chromium salt) UN 1814 potassium hydroxide solution, mixture, 8, II	1 l/per l 5 l/per l	13,30 9,20
Ref.-No. 3130400702	Electrolytical anti-tarnish dip for silver and silver alloys (contains chromium salt) UN 1814 potassium hydroxide solution, mixture, 8, II	1 l/per l 5 l/per l	13,30 9,20
Ref.-No. 3130400802	Anti-tarnish Optima	1 l/per l 5 l/per l	23,- 22,-
Ref.-No. 3130401002	RENOVAN silver immersion cleaner cleaner for silver and silver alloys, for cleaning tarnished silverware UN 3264 Corrosive liquid, acidic, inorganic, n.o.s. (sulphuric acid, sulphamic acid), 8, III, G 24	1 l/per l 5 l/per l	15,70 11,60
Ref.-No. 3130401103	WILAZID caustic salt for gold alloys, especially suitable for white golds UN 2967 Sulphamic acid, mixture, 8, III	100 g 500 g 1000 g	7,90 11,50 18,30
Ref.-No. 3130401203°	Auropol gold polishing bath Auropol 40 S make-up salt containing potassium cyanide UN 1588 Cyanides, inorganic, solid, n.o.s. (potassium cyanide, sodium hydroxide), 6.1, II	1 l bath/per l 5 l bath/per l 10 l bath/per l	11,60 8,60 7,30
Ref.-No. 3130401302	Auropol 90 CF gold polishing bath without potassium cyanide, ready-to-use, for polishing yellow and white gold	1 l bath/per l 5 l bath/per l 10 l bath/per l	37,80 36,80 34,80
Ref.-No. 3130401303	Auropol 90 CF gold polishing bath without potassium cyanide, make-up salt, for polishing yellow and white gold	1 l bath/per l 5 l bath/per l 10 l bath/per l	35,80 34,30 32,30
Ref.-No. 3130401403	Argopol silver polishing bath for silver alloys make-up salt with potassium cyanide UN 1588 Cyanides, inorganic, solid, n.o.s. (potassium cyanide, sodium hydroxide), 6.1, II	1 l bath/per l 5 l bath/per l 10 l bath/per l	11,- 7,30 6,20
Ref.-No. 8020	Paris oxide for colouring precious metals and copper alloys. 1000 ml of Paris oxide contain 3,4 g of palladium UN 1993 Flammable liquid, n.o.s. (diethyl ether, ethanol), 3, I, Special instruction 640 B	20 ml/per l 100 ml/per l 250 ml/per l 500 ml/per l 1000 ml/per l	610,-* 230,-* 165,-* 110,-* 102,-*
Ref.-No. 3130401502	Gold-Etching solution UN 3413 potassium cyanide, solution, 6.1, II	1 l/per l	43,60
Ref.-No. 3130401602	Oxylen rapid oxide (alkaline) for silver, silver alloys and copper UN 2922 Corrosive liquid, toxic, n.o.s. (sodium selenite-pentahydrate, sodium hydroxide), 8 (6.1), II	100 ml 1 l/per l 5 l/per l	10,- 19,30 16,-

Special items

Ref.-No. 3150400103°	Potassium cyanide, sodium free UN 1680 Potassium cyanide, 6.1, I	0,1 kg/per kg 0,5 kg/per kg 1,0 kg/per kg	40,- 16,- 7,20
Ref.-No. 3150400202	Tin solder UN 3264 Corrosive liquid, acidic, inorganic, n.o.s. (nitric acid, sodium dichromate), 8, II	100 ml 250 ml	11,- 12,90
Ref.-No. 2320102011	Tula powder Niello	from 50 g/per g 100 g/per g 500 g/per g 1000 g/per g	1,- -,85 -,70 -,60

° Only available in Germany.

* The precious metal contents are charged at daily quotation (elaborated price).

■ Chemicals and aids

Aids for precious metal working

		Price per	€ plus VAT
Ref.-No. 3140400103	Flux powder I for refining and cleaning when melting gold alloys UN 1486 Potassium nitrate, mixture, 5.1, III	1 kg	9,20
Ref.-No. 3140400203	Flux powder III for fully melting	1 kg	8,70
Ref.-No. 3140400302	Test acid box for precious metal assaying containing: test acids for gold and silver, gold assaying star, silver assaying star, black jasper assaying stone UN 2031 Nitric acid, solution, 8, II	complete	198,-
Ref.-No. 2320102524	Silver assaying star in singles	item	39,40
Ref.-No. 2090102424	Gold assaying star in singles four-part, 8, 14, 18, 20 ct	item	60,-
Ref.-No. 2090102524	Gold assaying star in singles five-part, 8, 10, 12, 14, 18 ct	item	60,-
Ref.-No. 3140400402	Assaying star 57 x 27 x 5 mm	item	13,80
Ref.-No. 3140400502	Assaying acid bottle with acid		
Ref.-No. 3140400602	8ct		
Ref.-No. 3140400702	14ct		
Ref.-No. 3140400802	18ct		
Ref.-No. 3140400902	20ct		
	Silver		
	UN 2031 Nitric acid, solution, 8, II	item	18,20
Ref.-No. 3140401002	Assaying acid bottle empty	item	13,10
Ref.-No. 3140401102	Correcting solution for PH value (acidic gold baths)	100 ml	6,40
	pH indicator paper		
Ref.-No. 3140401202	Neutralite pH 5 – 10 acidic to alkaline	pack unit	9,20
Ref.-No. 3140401302	Ac-lite pH 0.5 – 5 strong to slightly acidic	pack unit	9,20
Ref.-No. 3140401402	Masking ink (red) UN 1263 Paint, 3, II, Special instruction 640 D	100 ml	12,50

Please contact us directly for precious metal salts and preparations.

INCOTERMS:

Prices are EXW (Ex Works) – packing not included. The precious metal content of items requiring platinum, palladium, rhodium, gold and silver will be charged at the current daily rate for processed material.

Payment terms:

Upon agreement

DGR* remarks:

Status by 01.01.2008 and only valid for road transport

* Dangerous goods regulations