

# Industry product portfolio

## Metal cleaning

		Area of application		Spectrum of activity				Material compatibility										Product property									
		Pre-cleaning	Fine cleaning	Grease, oil	Resin, wax	Polishing paste	Adhesive, putty	Aluminium	Anodised aluminium	Copper	Brass	Bronze	Nickel silver	Zamak	Stainless steel/inox	Silver	Titanium	Gold, platinum	Carbides	HSS/steel	Brightening	Deoxidising		Hydrophobic steel	Hydrophobic non-ferrous metals	Cloud point (CP) guideline value with 1% in DI water	Tap water compatible (from 3%)
deconex® HT 1500	Ultrasonics/spray	■		●		⊙		-	-	●	-	⊙	⊙	-	●									53 °C	●	12.7	Removes oils and greases on copper alloys, stainless steel and HSS/steel. Also creates a hydrophilic surface on steels.
deconex® HT 1400	Ultrasonics	■		●	●	⊙		-	-	-	-			●		⊙	⊙						No CP	●	12.7	Removes oils, greases, resins and waxes on stainless steel. Also creates a hydrophilic surface on steels.	
deconex® HT 1501	Ultrasonics/spray	■		●		⊙		-	-	⊙	⊙	⊙	-	●									No CP	-	12.5	Removes oils and greases on stainless steel. Creates a hydrophilic surface on non-ferrous metals and steels.	
deconex® HT 1402	Ultrasonics	■	□	●	●	⊙		-	-	-	-			●			⊙						No CP	⊙	12.5	Removes oils, greases, protective lacquers, resins and waxes on stainless steel. Also creates a hydrophilic surface on steels.	
deconex® HT 1404	Ultrasonics	■		●		●		-	-	⊙	⊙	⊙		●		⊙	●						No CP	●	12.3	Removes oils, greases and polishing pastes on stainless steel and precious metals. Creates a hydrophilic surface on steels. Achieves especially long bath life.	
deconex® HT 1401	Ultrasonics	■		●	●	●		-	-	⊙	⊙	⊙	-	●		⊙	●	●	●				No CP	●	12.2	Removes greases, resins and polishing pastes on carbides, steels and precious metals. Creates a hydrophilic surface on steels.	
deconex® HT 1175	Ultrasonics/spray	■	□	●		⊙		-	-	-	-			●	●		●	●	●				No CP	⊙	12.2	Removes oils and greases on carbides and steels. Creates a hydrophilic surface on steels.	
deconex® SprayPlus	Ultrasonics/spray	■	□	●		⊙		-	-	⊙	-	⊙		●	●		●	●	●				No CP	-	12.2	Removes oils and greases on carbides and steels. Creates a hydrophilic surface on steels.	
deconex® HT 1512	Ultrasonics/spray	■		●		⊙		●		⊙	⊙	⊙	-	●		⊙	●	●					No CP	-	12.1	Removes oils and greases on aluminium, carbides and steels. Creates a hydrophilic surface on steels.	
deconex® HT 1408	Ultrasonics	■	□	●		●		-	-	-	-			●	●								No CP	●	12.0	Removes oils, greases and polishing pastes on stainless steel and titanium. Creates a hydrophilic surface on steels.	

- Primary application
- Additional application

- Suitable
- ⊙ Conditionally suitable
- Not suitable

- Strong
- Mild



# Industry product portfolio

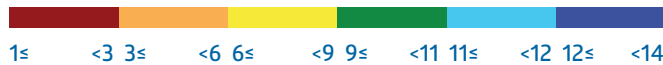
## Metal cleaning

		Area of application		Spectrum of activity				Material compatibility										Product property						Description				
		Pre-cleaning	Fine cleaning	Grease, oil	Resin, wax	Polishing paste	Adhesive, putty	Aluminium	Anodised aluminium	Copper	Brass	Bronze	Nickel silver	Zamak	Stainless steel/inox	Silver	Titanium	Gold, platinum	Carbides	HSS/steel	Brightening	Deoxidising	Hydrophobic steel		Hydrophobic non-ferrous metals	Cloud point (CP) guideline value with 1% in DI water	Tap water compatible (from 3%)	Cleaning intensity
deconex® HT 1403	Ultrasonics	■			⊙		●	-	-							●		⊙		●					kein TP	-	12.0	Removes synthetic putties, polymers, protective lacquers and adhesives on steels. Creates a hydrophilic surface on steels.
deconex® HT 097	Ultrasonics	■			⊙	⊙	●	-	-						●		-	⊙							kein TP	-	12.0	Removes synthetic putties, polymers, protective lacquers and adhesives on stainless steels. Creates a hydrophilic surface on steels.
deconex® 12 NS-x	Ultrasonics/spray	■	□	●				-	-	⊙	-	-		●		●	●		●						kein TP		11.8	Removes persistent stains such as burnt-in oils, greases and inorganic impurities on steels.
deconex® HT 1510	Ultrasonics/spray	■	□	●		⊙		-	-	⊙	⊙	●		●	●	●	●	●	●						kein TP		11.6	Removes salt residues, machining and anti-corrosion oils on titanium, precious metals, carbides and steels.
deconex® HT 1407	Ultrasonics	■	□	●		●		●		⊙	⊙	⊙		⊙		●				●		●		kein TP	⊙	11.5	Removes oils, greases, polishing pastes and polymers on aluminium and titanium. Brightens and creates a hydrophobic surface on non-ferrous metals.	
deconex® SprayCleaner	Ultrasonics/spray	■	□	●		●		●	⊙	-	-	-	●	●		⊙								kein TP	●	11.4	Removes oils, greases and polishing pastes on aluminium, nickel silver and stainless steel. Creates a hydrophilic surface on steels.	
deconex® HT 1217	Ultrasonics		□	●				-			-			●		●		●	●					78 °C		11.0	Removes oils and greases on titanium, carbides and steels.	
deconex® HT 1169	Ultrasonics	■	■	●		●		-	-	●	●	●	-	●	●	⊙	●		●		●	●	●	kein TP	●	11.0	Removes oils, greases, polishing pastes and oxide layers on non-ferrous metals, precious metals and steels. Brightens and creates a hydrophobic surface on non-ferrous metals and steels.	
deconex® HT 1414	Ultrasonics	■					●							●		●								kein TP		10.8	Removes polymers, lacquers and persistent putties on titanium and steels. Special caution should be taken with plastics.	
deconex® HT 1410	Ultrasonics	■	■	●		●		-	-	⊙	●	●	-	●		⊙								kein TP	●	10.7	Removes oils, greases and polishing pastes on non-ferrous metals and stainless steels. Brightens and creates a hydrophobic surface on non-ferrous metals and steels.	

- Primary application
- Additional application

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- Not suitable

- Strong
- Mild



# Industry product portfolio

## Metal cleaning

Product	Application Method	Area of application		Spectrum of activity				Material compatibility											Product property					Description			
		Pre-cleaning	Fine cleaning	Grease, oil	Resin, wax	Polishing paste	Adhesive, putty	Aluminium	Anodised aluminium	Copper	Brass	Bronze	Nickel silver	Zamak	Stainless steel/inox	Silver	Titanium	Gold, platinum	Carbides	HSS/steel	Brightening	Deoxidising	Hydrophobic steel		Hydrophobic non-ferrous metals	Cloud point (CP) guideline value with 1% in DI water	Tap water compatible (from 3%)
deconex® HT 1170	Ultrasonics	□	■	●	●			-	-	⊙	⊙	⊙	●	-	●	●	●	●	●			●		No CP	-	10.5	Removes oils, greases and polishing pastes on nickel silver, precious metals, carbides, titanium and steels. Creates a hydrophilic surface on steels.
deconex® HT 1206	Ultrasonics	□	■	●	●			-		⊙	⊙	⊙			●	●								No CP	-	9.9	Removes oils, greases and polishing pastes on particularly corrosion-sensitive metals.
deconex® HT 1520	Spray	□	■	●				⊙		●	●	●	●	-	●	●	●	●	●					22 °C	-	9.8	Removes oil and salt residues on non-ferrous metals, titanium, precious metals and steels.
deconex® HT 1207	Ultrasonics	■	□	●	●			⊙		⊙	●	⊙	●	●	●	●	●	●	●					No CP	-	9.7	Removes oils, greases and polishing pastes on sensitive materials.
deconex® HT 1201	Ultrasonics	□	■	●	●			●		⊙	●	●	●	●	●	●	●	●	●			●	●	No CP	-	9.6	Removes oils, greases and polishing pastes on sensitive materials. Brightens and creates a hydrophobic surface on non-ferrous metals and steels.
deconex® HT 1516	Ultrasonics/spray	■	■	●				-	-	●	⊙	-			●	●	●	●	⊙	●				61 °C	-	9.5	Removes oxide layers, salt residues, machine and corrosion protection oils on copper alloys, titanium, precious metals and steels. Brightens and creates a hydrophobic surface on non-ferrous metals and steels.
deconex® HT 1511	Ultrasonics	■	■	●				●		●	●	●	●	●	●	●	●	●	●			●	●	61 °C	-	9.5	Removes oils, greases and oxide layers on sensitive materials. Brightens and creates a hydrophobic surface on non-ferrous metals and steels.
deconex® HT 1153	Spray	□	■	●				⊙	⊙	●	●	●	●	-	●	●	●	●	●			●		29 °C	●	9.5	Removes oils and greases on sensitive materials. Creates a hydrophobic surface on steels and provides temporary corrosion protection.
deconex® HT 1422	Ultrasonics	■	■	●	●			⊙	⊙	⊙	●	⊙	⊙	⊙	⊙	●	●					●		No CP	-	8.9	Removes oils, greases, polishing pastes and soft shining pastes on precious metals and titanium. Creates a hydrophobic surface on non-ferrous metals.
deconex® HT 1163	Ultrasonics		■	●				●		●	●	●	●	●	●									No CP	●	8.6	Removes oils and greases on aluminium, non-ferrous metals, precious metals, carbides and steels.

- Primary application
- Additional application

- Suitable
- ⊙ Conditionally suitable
- Not suitable

- Strong
- Mild



# Industry product portfolio

## Metal cleaning

		Area of applica-tion		Spectrum of activity				Material compatibility											Product property								
		Pre-cleaning	Fine cleaning	Grease, oil	Resin, wax	Polishing paste	Adhesive, putty	Aluminium	Anodised aluminium	Copper	Brass	Bronze	Nickel silver	Zamak	Stainless steel/inox	Silver	Titanium	Gold, platinum	Carbides	HSS/steel	Brightening	Deoxidising	Hydrophobic steel			Hydrophobic non-ferrous metals	Cloud point (CP) guideline value with 1% in DI water
deconex® HT 019	Ultrasonics	■	□		●			●	●	◎	-		◎	●	●	●	●	●	●					No CP	●	7.5	Removes waxes and resins on aluminium, copper alloys, precious metals, titanium and steels.
deconex® HT 1420	Ultrasonics		■	◎				◎	●	●	●		-	●	●	●	●	●					No CP	●	7.5	Removes residues after pre-cleaning and protects metals and non-ferrous metals from corrosion during final rinsing. Creates a hydrophilic surface on non-ferrous metals and steels.	
deconex® HardMetal Plus B	Ultrasonics	■	□	●		●		-	-	-	-	●	-	●	●	●	●	●	●		●		No CP	-	7.5	Removes oils, greases and polishing pastes on precious metals, carbides and steels. Creates a hydrophobic surface on steels.	
deconex® MetalClear	Ultrasonics		■	◎				●	◎	◎	◎	●		●	●	●	●	●					73 °C	●	4.0	For neutralisation and fine cleaning after alkaline pre-cleaning. Is pH-buffered and creates a hydrophilic surface on non-ferrous metals and steels.	
deconex® HT 1232	Ultrasonics	□	■	◎				●	◎	◎	-			●	●		●	●		●	●		7 °C	●	2.7	Removes oxide layers and tarnish on aluminium, carbides, titanium and steels. Brightens and creates a hydrophilic surface on non-ferrous metals and steels.	
deconex® HT 1219	Ultrasonics	■	□					●	●	●	●	●			●		●			●	●		80 °C		2.1	Used for brightening and deoxidising non-ferrous metals. Creates a hydrophilic surface on non-ferrous metals and steels.	
deconex® HT 1218	Ultrasonics	■	□			●		◎	◎	●	-			●	●	●	●	◎	●	●	●		7 °C		2.1	Removes lapping pastes on stainless steels and ceramics, oxide layers and tarnish on carbides. Brightens and creates a hydrophilic surface on non-ferrous metals and steels.	
deconex® HT 1430	Ultrasonics	■	□	◎		●		●	●	◎	◎			●	●	●	●	●		●	●		82 °C	●	1.5	Removes lapping pastes, oxide layers and tarnish on aluminium, carbides, titanium and stainless steels. Brightens and creates a hydrophilic surface on non-ferrous metals and steels.	

- Primary application
- Additional application

- Suitable
- ◎ Conditionally suitable
- Not suitable

- Strong
- Mild



## Industry product portfolio Metal – Corrosion protection agent

		Material compatibility											Product property						
		Aluminium	Anodised aluminium	Copper	Brass	Bronze	Nickel silver	Zamak	Silver	Titanium	Gold, platinum	Carbides	HSS/steel	Hydrophobic	Cloud point (CP) guideline value with 1% in DI water	Evaporation point (1000 mbar)	pH guideline value with 1% in DI water (w/w)		
deconex® AntiCorr Plus	Ultrasonics						●						●	●	No CP	< 200 °C	11.0	Corrosion protection for steel, HSS and carbide parts in the final rinsing baths.	
deconex® HT 1237	Ultrasonics/spray	-	-	⊙	⊙	-								●	●	No CP	< 200 °C	10.9	Widely applicable corrosion protection for steel, HSS and carbide parts in the final rinsing baths.
deconex® AntiCorr	Spray	-	-	⊙	-	-								●	●	No CP	< 400 °C	10.7	Corrosion protection for steel, HSS and carbide parts in the final rinsing baths.
deconex® HT 1239	Ultrasonics	⊙	⊙	⊙	⊙	-								●	●	No CP	< 400 °C	10.6	Corrosion protection with long-term effect for the storage of steel, HSS and carbide parts.
deconex® HT 1233	Ultrasonics						●		●		●	●	●	●	●	●	No CP	9.4	Corrosion protection with cleaning effect. Removes oils and greases on stainless steel, steel, HSS and carbides. Creates a hydrophobic surface on non-ferrous metals and steels.
deconex® 38 CU	Ultrasonics			●	●	●			●		●					●	No CP	5-7	Corrosion protection for non-ferrous metals. Creates a hydrophobic surface on non-ferrous metals.

All corrosion protection agents must be diluted with DI or osmosis water (conductivity < 20 µS/cm).

For more information, see the product and safety data sheet.

●	Suitable
⊙	Conditionally suitable
-	Not suitable

■	Strong
■	Mild

