

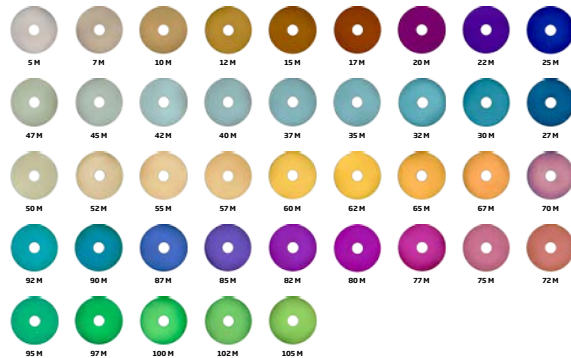
KKS color anodizing systems - TioCol™

Perfect colors and a homogeneous appearance of color anodized implants are a striking and convincing quality criteria. The key to success is a stable and reproducible electrochemical process which enables the controlled formation of an oxide layer, built of the pure basic materials titanium or titanium alloy.

By using the KKS color anodizing technology - TioCol™ with its possibility of a precise specification of all process parameters, oxide layer thicknesses between 15 and 300 nanometers can be produced reproducibly. Oxide layers of this thickness act as an interference filter, which allows the surfaces to appear in a wide range of bright and beautiful colors.

Thanks to their specifically adjustable process control, the color anodizing systems TioCol™ are your guarantee for a reproducible and homogeneous coloring.

KKS TioCol™ colour range



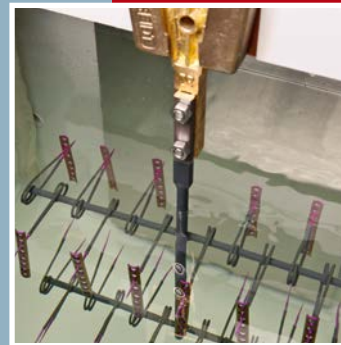
Pickling-/Power-rinsing tanks with automatic sliding lid and integrated exhausting



Reverse cascade to increase the effectiveness of the rinsing process



Parts after completion of anodizing



KKS color anodizing systems - TioCol™

Swiss Quality



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Technical data of the standard versions	ANHX-60	ANHX-120	ANHX-150
Usable dimensions in mm	300 × 300 × 200	400 × 300 × 400	500 × 300 × 500
Tank capacity in liters approx.	60	120	150
rectifier	150V / 50A	150V / 50A	150V / 100A

Optional accessories

Bar code reader
Pre-cleaning
Final cleaning with drying
DI water loop
Automatic lid for process tanks
PLC connection to a central computer
FDA compatible PLC control with recording of process data (Process protocols)
Automated process

Equipment Qualification DQ/IQ/OQ

The systems are custom-made and adapted to individual needs.

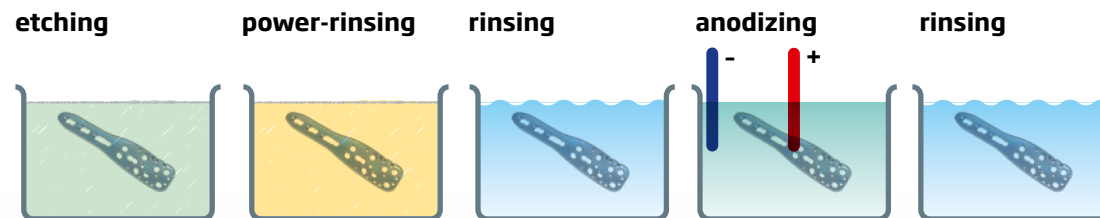


Touch Screen panel with overview of process tanks



Touch Screen control panel with parameters of the anodizing sequence

Process sequence:



TioCol™ system:
Cover panels available in
stainless steel or chemical resistant polymer

