

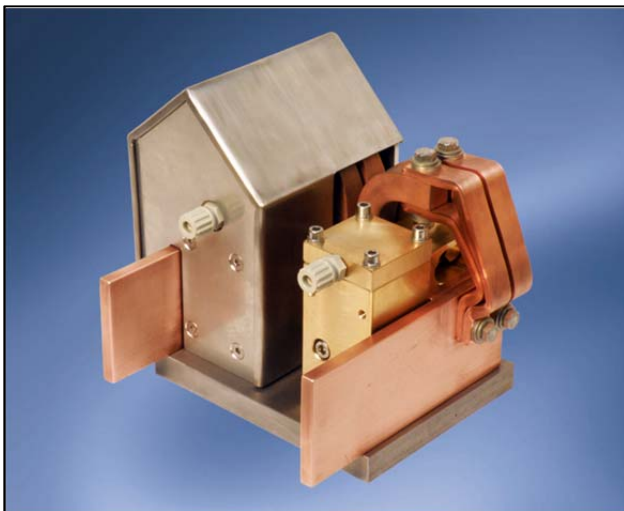
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Elektrotechnik

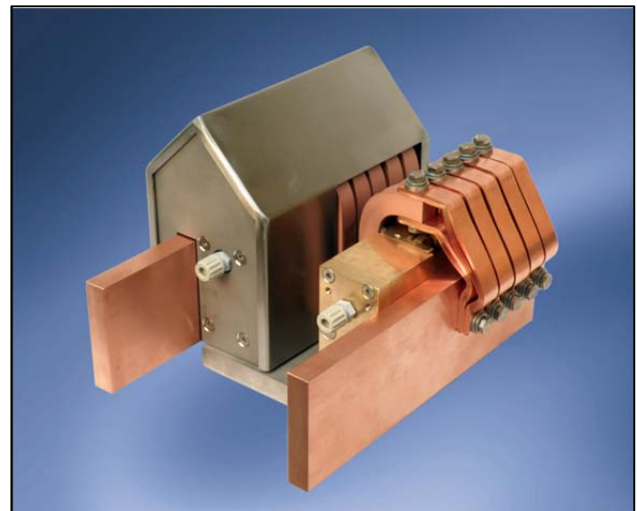
druseidt - TITAN

Hydro-pneumatically activated high current contacts for low-loss contacting of busbars inside of electroplating and anodizing plants

A major prerequisite for optimal processing is that the current required must be transferred to the items in the tank with as little loss as possible. The contact points between the high current contacts and product carriers or busbars are often a weak spot. Low contact-forces as well as material pollution are the reasons for a high contact resistance. The results are power losses and high heating. The worst case is a total break down of the complete system. The result could be finishing problems, costly repairs and unnecessary down-times of the plants. The new developed high current contact line "Titan" offers particularly in combination with the additionally new developed druseidt-cleaning systems an optimal solution for a low loss contacting of product carriers and busbars.



High current contact 2000 A



High current contact 5000 A

The quality of an electrical connection depends on the material, the cross-section, the dimension and the finishing of the contact areas as well as on the contact pressure. Such facts define the electrical resistance and finally the operation and life time of the connection. By higher contact pressure the electrical resistance will be reduced. The new druseidt contact line Titan is equipped with a new force booster which produce a constant pressure up to some thousands Newton by working with a special hydro-pneumatic power gear ratio (for example a 5000 A contact driven with 6 bar realize a contact pressure of ca. 100 kN). Therefore this system is the first and sole contact-system which allows a realizing of clamp-connections inside of electroplating or anodizing equipment with contact forces comparable with DIN screw connections. Druseidt offers standardized contacts in a current range of 2000 A up to 15000 A as well as in special design according to clients wishes. The contact line Titan offer in combination with our innovative cleaning systems for contacts and busbars an optimum in safety and efficiency and realize a low loss contacting of product carriers and busbars.