

"Parker Ultimate Lubricant" System (PULS)"

Bonderizing alternative system for cold forging

Process



Conversion coating for friction control and abrasion resistance



New treatment for cold forging (PULS)





Coating Structure



Puls form same layer of lubricity which is formed by Phosphate and Soap together which is require for Forging



Benefits of PULS

Puls reduce almost 80-85 % working area as compare with Conversion coating Conversional Coating require 30-35 min for whole process however Puls require only 3-5 mins.



Testing and control





50-60% Temperature Reduction during process





100 % Sludge Reduction in Process





Frequently Discard Chemicals





100 % Daily Water Consumption reduce



Continues Water discard is not require so No extra load on ETP



Sr.No	Items	Conversion Coating	PULS
1	Lubricity	Good	Good
2	Process Length	Long	Very Short
3	Process time	Long	Very Short
4	Chemical control	Complicated	Easy
5	Temperature	High temp. requirement	Less temp. requirement
6	Sludge	Heavy sludge	No Sludge
7	Waste to ETP	Heavy waste	No Waste





100 % Environmental Friendly



