

明弧焊丝
OPEN ARC WELDING WIRE

牌号 Model	应用 Application
UPW-613/ UPW-614	钢厂连铸辊、输送辊打底/硬面 Buffer/hardfacing layers of the C.C. roller and conveyor roll
UPW-616/ UPW-626	立磨辊轮、辊盘打底/硬面 Buffer/hardfacing layers of the tire and table liner in the vertical mill
UPW-629	钢厂单齿辊、篦板、布料溜槽、中心喉管硬面 Hardfacing layers of the sinter crusher, grate bar, rotating chute and central throat
UPW-645	辊式破碎机、破碎锤头、辊压机辊轮硬面 Hardfacing layers of the roller crusher, hammer and roller press

埋弧焊丝
SUBMERGED ARC WELDING WIRE

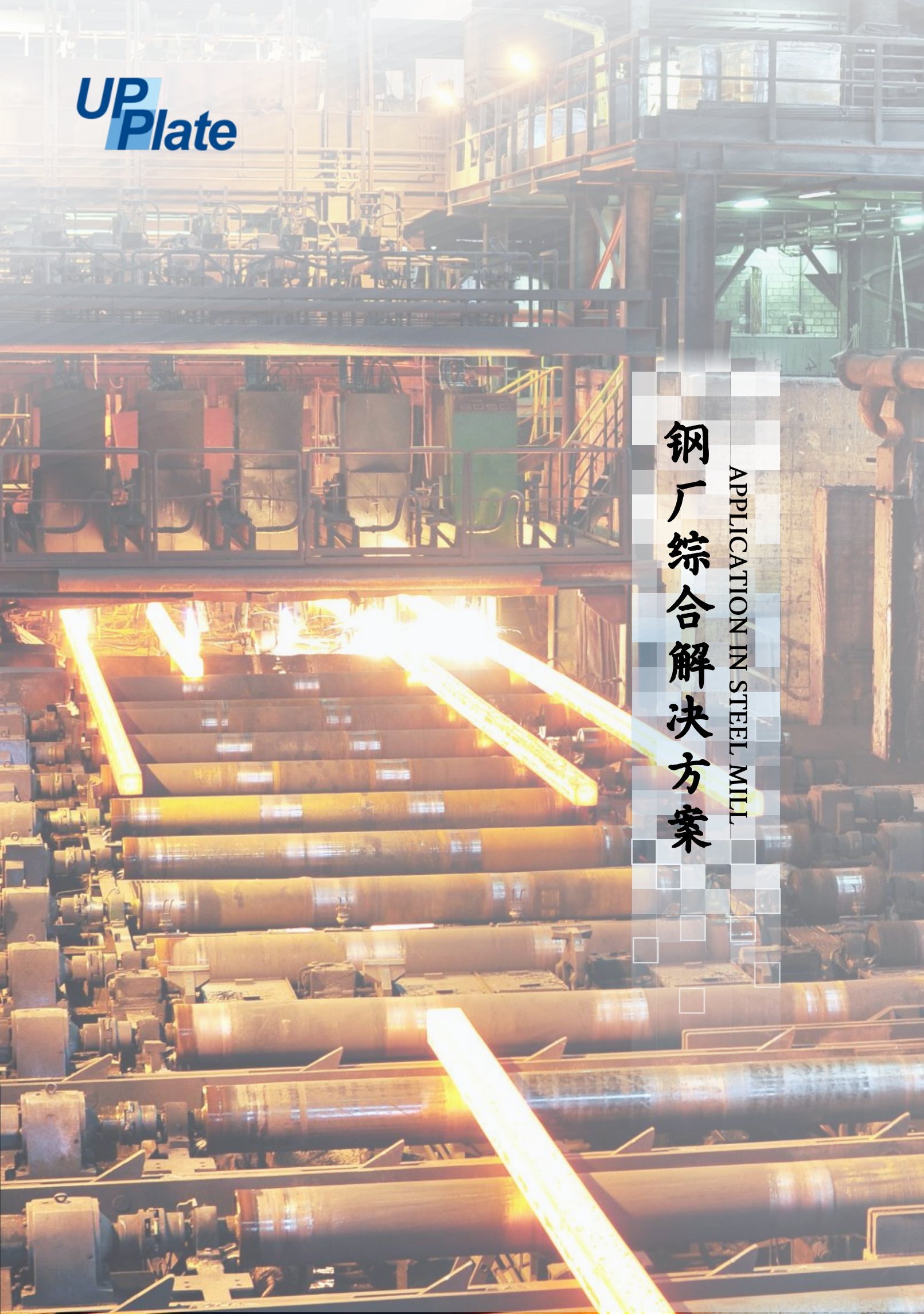
牌号 Model	应用 Application
UPW-801	辊压机辊轮、热轧输送辊、工作辊、支撑辊打底，搭配 UPW-888 焊剂 Buffer layers of the roller press, conveyor roll, work roll and backup roll Applied with UPW-888 flux
UPW-813/ UPW-814	钢厂连铸辊、输送辊打底/硬面，搭配 UPW-882 焊剂 Buffer/hardfacing layers of the C.C. roller and conveyor roll Applied with UPW-882 flux
UPW-819/ UPW-803	钢厂热轧夹送辊、助卷辊打底/硬面，搭配 UPW-881/882 焊剂 Buffer/hardfacing layers of the pinch roll and wrapping roll Applied with UPW-881/882 flux
UPW-820/ UPW-843	钢厂热轧支撑辊打底/硬面，搭配 UPW-883 焊剂 Buffer/hardfacing layers of the backup roll Applied with UPW-883 flux



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UP
Plate

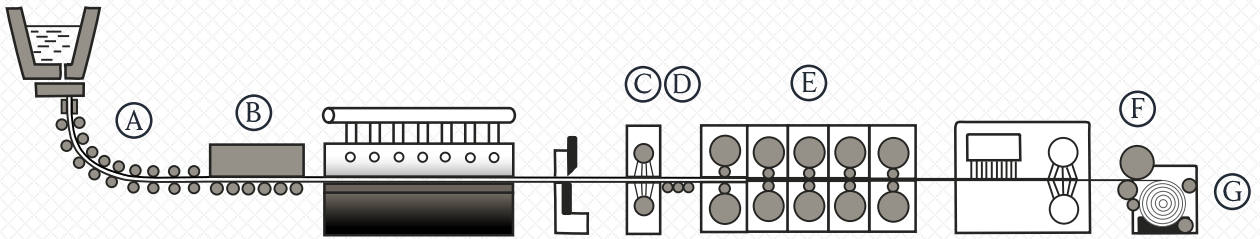
钢厂综合解决方案
APPLICATION IN STEEL MILL

STEELMAKING PROCESS



铁

前 | 後



产品 PRODUCT

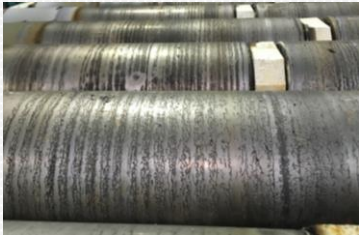
- ① 连铸辊 C.C. roller
- ② 切割辊 Shear
- ③ 除鳞夹送辊 Descaling box pinch roll
- ④ 输送辊 Conveyor roll
- ⑤ 支撑辊 Backup roll
- ⑥ 卷取机夹送辊 Down coiler pinch roll
- ⑦ 助卷辊 Wrapping roll

实际案例 | 连铸辊

- SUCCESS STORY - C.C. roller
- 损坏机制**
 - 热疲劳
 - 高温氧化腐蚀
 - 磨损
 - 解决方案**
 - 明弧堆焊硬面
 - 硬面特色**
 - 碳含量极低
 - 防止高温晶界腐蚀
 - 氮化物析出强化
 - 镍提升抗蚀能力
 - 明弧焊优势**
 - 入热量小
 - 稀释量小
 - 无焊后热处理
 - 可修复多次
 - Failure mechanism**
 - Thermal fatigue
 - High temperature oxidation & corrosion
 - Abrasive wear
 - Solution**
 - Open arc hardfacing
 - Characteristic**
 - Extremely low carbon avoids intergranular corrosion
 - Precipitation hardening by Nitride
 - Nickel enhances anti-corrosion property
 - Adventure of open arc welding**
 - Low welding heat input
 - Low dilution
 - Post weld heat treatment is unnecessary
 - Capable of repeated refurbishment



UP 连铸辊使用后表面
UP C.C. roller after use



他牌连铸辊使用后表面
Other C.C. roller after use

全方位服务 TOTAL SOLUTION

- 客制研发与生产硬面焊丝 All hardfacing wires are self-developed, self-manufactured and customized
- 硬面堆焊新制与现场再生修复 Provide new-made product and on-site repair
- 量身订制最佳化堆焊工艺 Optimize welding procedure and parameter
- 设计自动化堆焊设备 Design automated hardfacing equipment
- 实验室检验与分析 Laboratory inspection and analysis

更多信息及专业咨询请联系优霖耐磨
Contact UP PLATE or authorized supplier for more case studies and consultancy.