

## DJM 陶瓷复合铸造耐磨衬板技术介绍

陶瓷复合铸造衬板（MMC-衬板），广泛应用于球磨机、立式磨机（VRM）、自磨机/半自磨机、破碎机、溜槽、储料仓等设备耐磨部位。高铬陶瓷复合铸造衬板（MMC-Cr-衬板）具有高硬度，高耐磨性高铬复合铸造辊套及衬板的平均磨损深度为每 1000 小时 2-3mm(高铬衬板每 1000 小时 10-15mm)；高耐磨性高铬复合铸造导向板的平均磨损深度为每 1000 小时小于 1mm；高耐磨性高铬复合铸造溜槽衬板的平均磨损深度为每 1000 小时 10mm(高铬衬板每 1000 小时 25-30mm)。

马氏体钢基陶瓷复合铸造衬板（MMC-M-衬板），因选用合金钢为基材，从而使合金钢基体具有很好的焊接性能，又可以承担高冲击强度。陶瓷复合的高硬度提供了最大限度的耐磨性，同时，合金钢底座能吸收高冲击强度，产品易于使用，适用火焰气割，砂轮锯，水割，等离子等多种切割方式切割及焊接加工。

MMC liner for Ball mill, Vertical mill (VRM), AG/SAG, Crusher, Chute, storage bin.

1, High Cr cast iron matrix ceramic composite casting liner ( MMC-Cr-Liner ),  
the MMC-Cr liner has high hardness, high wear resistance

The average wear depth of the high-chromium composite casting roll sleeve and liner is 2-3mm per 1000 hours (high-chromium roller and liner is 10-15mm per 1000 hours)

The average wear depth of the high-chromium composite casting Chute liner is 10mm per 1000 hours (high-chromium Chute liner is 25-30mm per 1000 hours)

2, Martensite steel matrix ceramic composite casting liner ( MMC-M-Liner ),  
The MMC-M liner can be welded and machining.

The wear-resistant plate has very good welding performance while bearing high impact.

Use Example of Ceramic insert liner of ZGM95 Vertical mill (max lose 23-26mm after 8700hour)

Material= Coal HGI=60

Feed size= 30-50mm

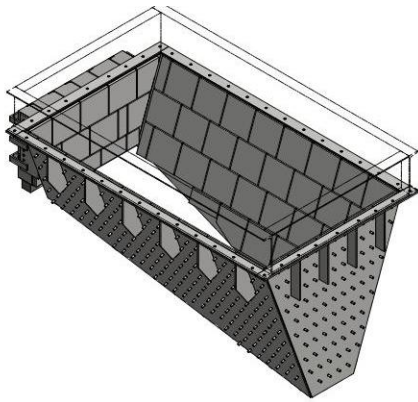
The average wear depth of the high-chromium composite casting roll sleeve and liner is 2-3mm per 1000 hours (high-chromium roller and liner is 10-15mm per 1000 hours)



溜槽 (downspouting) / 料仓 (storage bin)



使用实例- 溜槽 (downspouting) / 料仓 (storage bin)

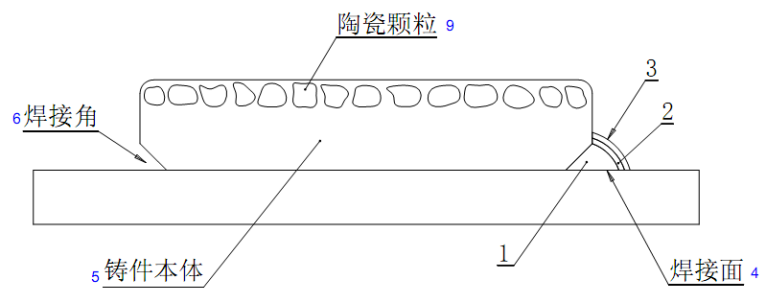




陶瓷复合可焊接耐磨条/板  
weldability wear-resistant bar/liner



陶瓷复合可焊接耐磨条/板示意图  
external view of weldability wear-resistant bar/liner



Position-5 basis material    Position-9 Ceramic composites    Position-1/2/3/6 welding face