

Name: wear resistant sinter machine part

Product Name	wear resistant sinter machine part
Material	Q235/Q345+Chromium carbide overlay
Base metal	Q235/Q345 or customized
Hardfacing layer	Chromium carbide overlay; 3+3,4+4,5+5,6+4,6+5,6+6,8+4,8+5,8+8,10+10,12+12,16+10,20+20,40 +10,etc
Chemical composition	C: 3.0-5.0 % Cr: 25-40 %
Hardness	HRC58-63
Microstructure	Carbide (Cr₇C₃)volume fraction above 50 %
Wear resistance	High wear/abrasion resistance
Flatness tolerance	±3 mm/m
Thickness tolerance	uniform overlay thickness, with tolerance within 0-0.5 mm
Impact resistance	Medium
Technology	Hardfacing, open arc welding, submerged arc welding
product Size	Cusomized sizes
Main thicknesses (base metal+overlayer)	Customized thicknesses.
Main Application:	Mining, Steel, Cement, Power, Port, Glass, Coal, etc.

In order to prolong the service life of the sintering machine tail scraper, we adopt the advanced welding technology by high strength wear resistant alloy deposited on the surface of the parent that scraper, especially in the sinter material directly scour area, and set reasonable wear-resisting layer structure and stress direction, which greatly reduces the consumption of spare parts and maintenance cost.