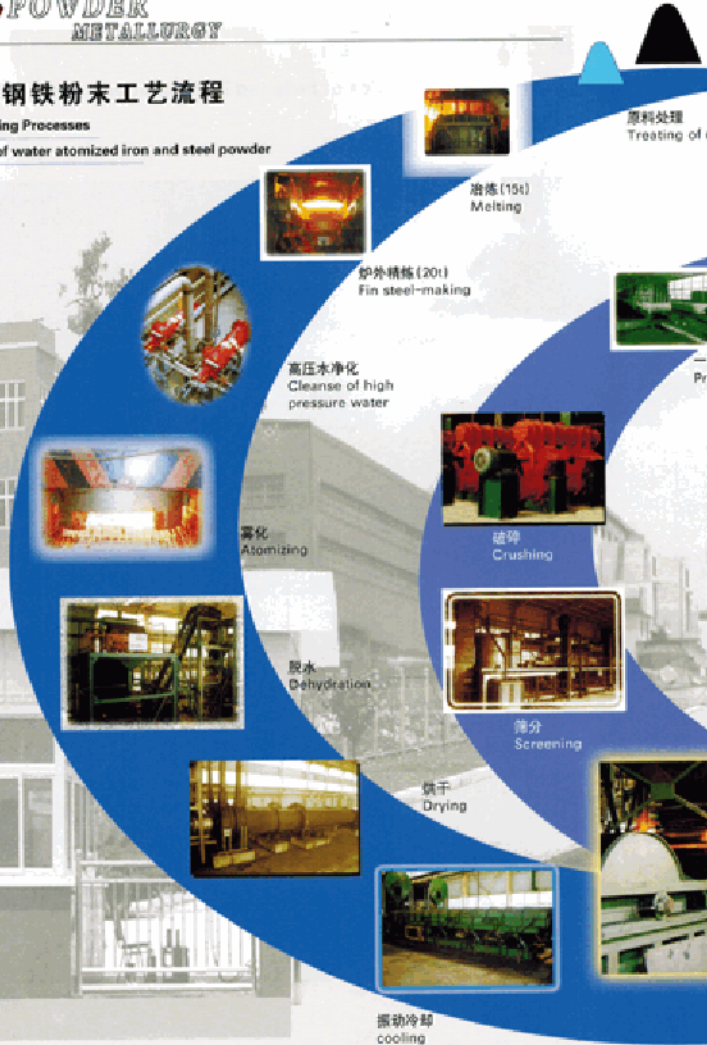


水雾化钢铁粉末工艺流程

Manufacturing Processes of water atomized iron and steel powder



还原铁粉工艺流程

Manufacturing Processes of reduced iron powder



莱钢集
粉末冶金有限

产品性能及用途

Types and Applications

种类 Types	牌号 Designation	特点 Performance	用途 Use
还原铁粉	FHY80.25	高成形性 High compactibility	中密度粉末冶金零件 Medium density PM Parts
	FHY80.23	低松装密度、高压坯强度 Lower AD, High Green strength	含油轴承、低密度异型件 Oil-contained bearing and low density thin wall and shaped components
	FHY100.27	高松装密度、高压缩性、高压坯强度 High AD, High compressibility, High Green strength	高密度粉末冶金零件 High density PM Parts
	FHY200	颗粒尺寸小于75微米, 含铁量较高 ($\geq 98\%$) Particle size is less than $75\mu\text{m}$, high ferrous content ($\geq 98\%$)	生产金刚石锯片用粘结剂、用于磁性材料和摩擦材料 Used for magnetic material, Diamond-saw-piece and friction resistance materials
Reduced Iron powder	FHY100.25 LRP100.25	高压缩性、高成形性 High compressibility, High Compactibility	中高密度粉末冶金结构件 Medium and high density PM parts
	LRP80.23(I) LRP80.25(I) LRP80.23(II) LRP80.25(II)	高成形性、优良的性能价格比 High compactibility, excellent price versus performance ratio.	中低密度粉末冶金结构件、较低档次的铁基含油轴承 Medium and low density PM parts, low-end ferrous oil-contained bearing.
	LRP150	高成形性、细小的颗粒尺寸 High compactibility small particle size	中高密度粉末冶金结构件 Medium and high density PM parts
	LRP200(I) LRP200(II)	含铁量略低于FHY200 Ferrous content is less than FHY200	生产金刚石锯片用粘结剂或摩擦材料 Used for friction resistance materials and diamond-saw-piece
	LRP300	粒度更细, 颗粒尺寸小于45微米 Grularity is smaller, particle size is less than $45\mu\text{m}$	磁性材料、摩擦材料 Friction resistance materials and magnetic materials
	LRP20	颗粒尺寸在0.04~1.6mm Particle size is between 0.04~1.6mm	冶炼 melting
	FHT40.30	具有良好的焊接性能 Fine jointing performance	电焊条材料 Welding rod material

种类 Types	牌号 Designation	特点 Performance	用途 Use	
雾化铁粉 Water Atomized powder	纯铁粉 Pure iron powder	高纯度、高压缩性能、高强度、高成形性 High purity, High compressibility, high strength and high compactibility	密度 $6.8\text{g}/\text{cm}^3$ 以上的烧结金属零件、粉末冶金锻造零件 Sintered machine parts with a density of above $6.8\text{g}/\text{cm}^3$, PM forging parts	
	合金钢粉	LAP100.29A ₁	高强度、良好的热处理性能 High strength, highly stable heat treatment	粉末冶金锻造零件、高强度烧结机械零件 PM forging parts High strength Sintered machine parts
	Alloyed steel powder	LAP100.29A ₂	高强度、良好的耐热、耐蚀性能 High strength, high resistance to heat and abrasion	高强度烧结机械零件、耐磨烧结零件、工作环境恶劣(如酸性环境)的耐蚀烧结零件 High strength Sintered machine parts, abrasion-resistant sintered parts, erode-resistant sintered parts which works in bad conditions.
	扩散型合金钢粉 Diffusion alloyed steel powder	LAP100.29D	高密度、高强度、高耐蚀性、高耐磨性 High density, high strength, high resistance to erode and abrasion	高强度烧结机械零件、具有耐磨耐蚀等性能的烧结机械零件 High strength Sintered machine parts, erode and abrasion-resistant sintered parts
	电焊条用铁粉 Powder for welding electrodes	LAP40.32E LAP40.37E	具有良好的焊接性能 Fine jointing performance	电焊条材料 Welding rod material