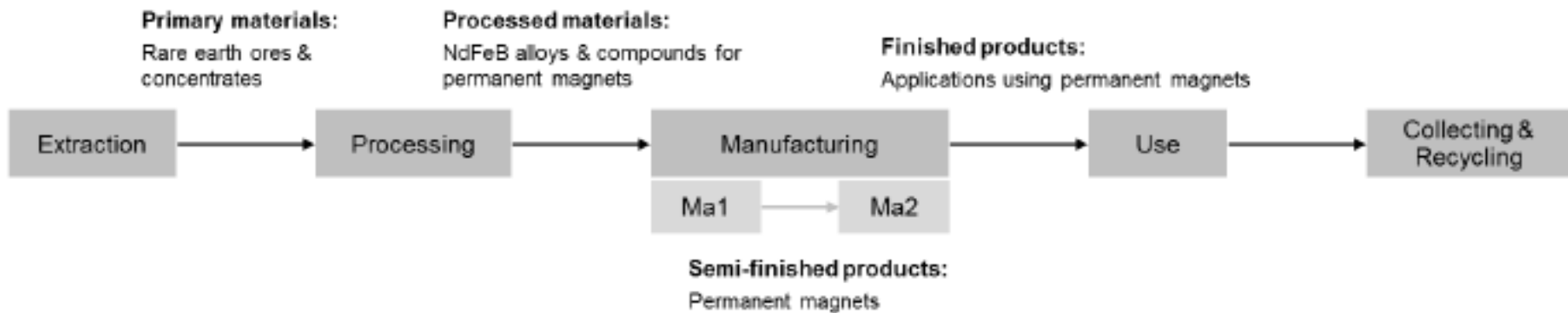


## Rare Earth Elements – Dysprosium

After extraction, rare earths ores and concentrates are separated and processed into single rare earth oxides and compounds, including Dy oxides and compounds (such as NdFeB alloys). These processed materials are converted into semi-finished products consisting in permanent magnets. Then, these semi-finished products are used in finished products using permanent magnets, such as electric and non-electric vehicles, electronic equipment (HDDs, PCs, phones, printers, small domestic devices, etc.), wind turbines... The figure below presents the value chain of dysprosium with the main uses.



โซ่คุณค่าของ Rare Earth Elements – Dysprosium