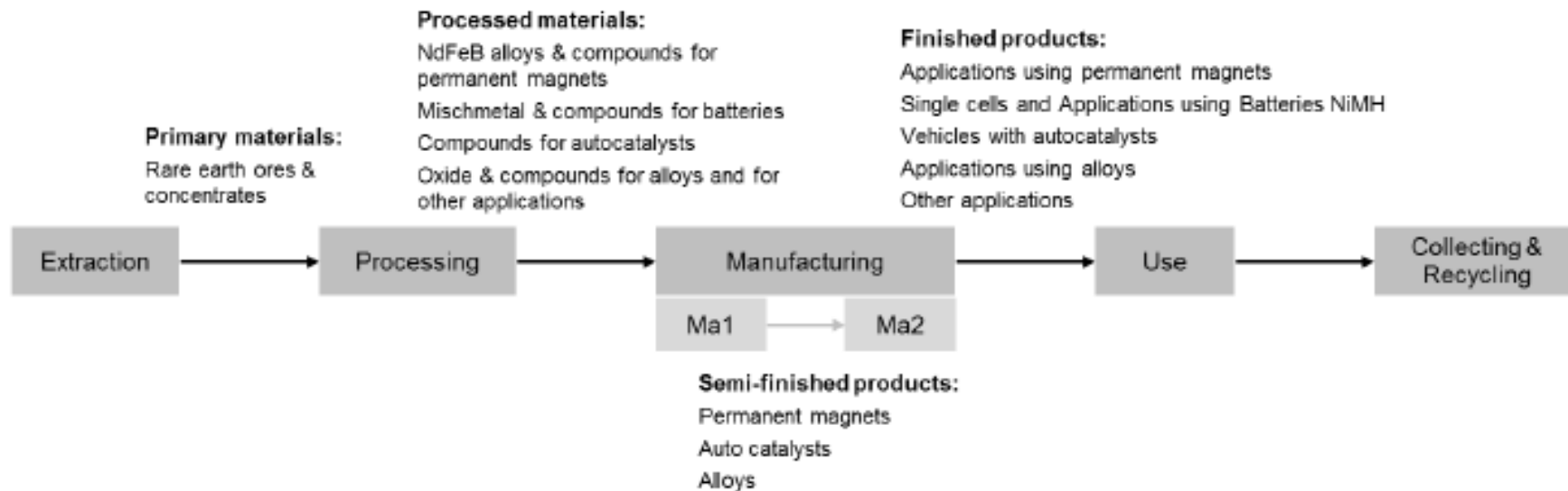


Rare Earth Elements – Neodymium

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



โซ่คุณค่าของ Rare Earth Elements – Neodymium