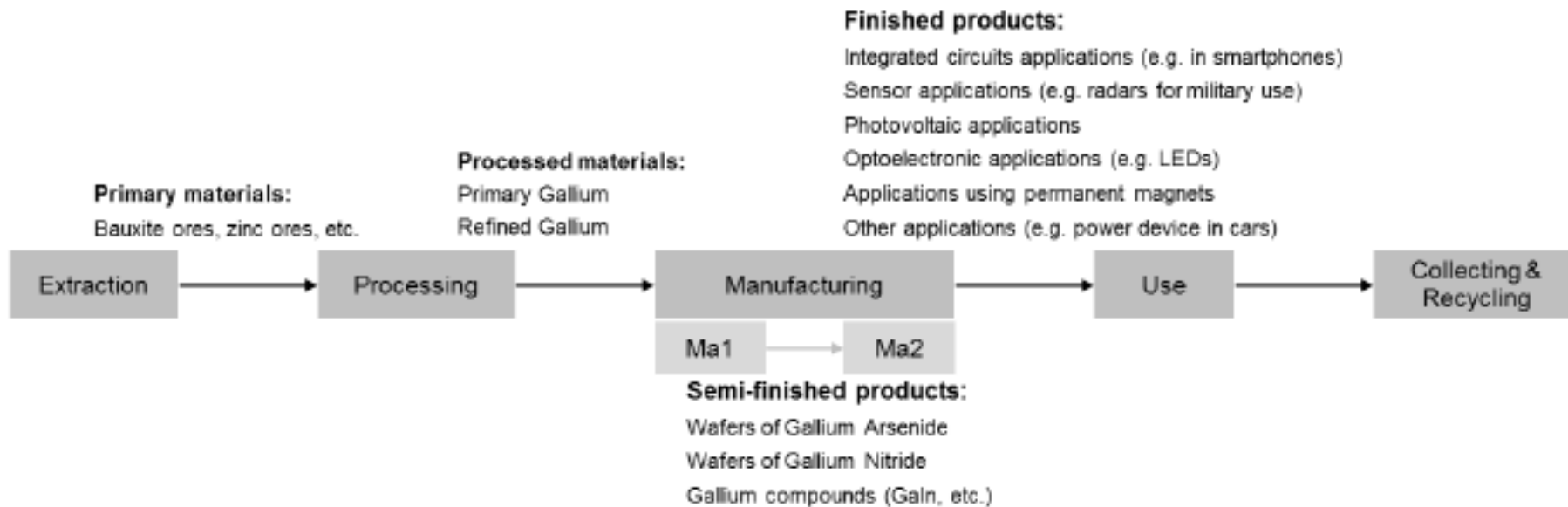


Gallium

Bauxite ores are the main source of gallium, accounting for more than 95% of worldwide production of primary gallium. However, only 10% of the aluminium industry extract gallium from bauxite ores; most of the gallium is thus contained in tailings or sent to landfill as waste from aluminium extraction. Primary gallium is obtained from bauxite ores and further processed into refined gallium. The main semi-finished products are wafers of GaAs and GaN, as well as strategic gallium compounds (GaIn, GaO, etc.). GaAs wafers can be used in civil and military applications, for semiconductor or sensor uses. GaN wafers are mostly used in optoelectronic applications. Other applications include permanent magnets and finished products based on various gallium compounds. The figure below presents the value chain of gallium and its main uses.



โซ่คุณค่าของ Gallium