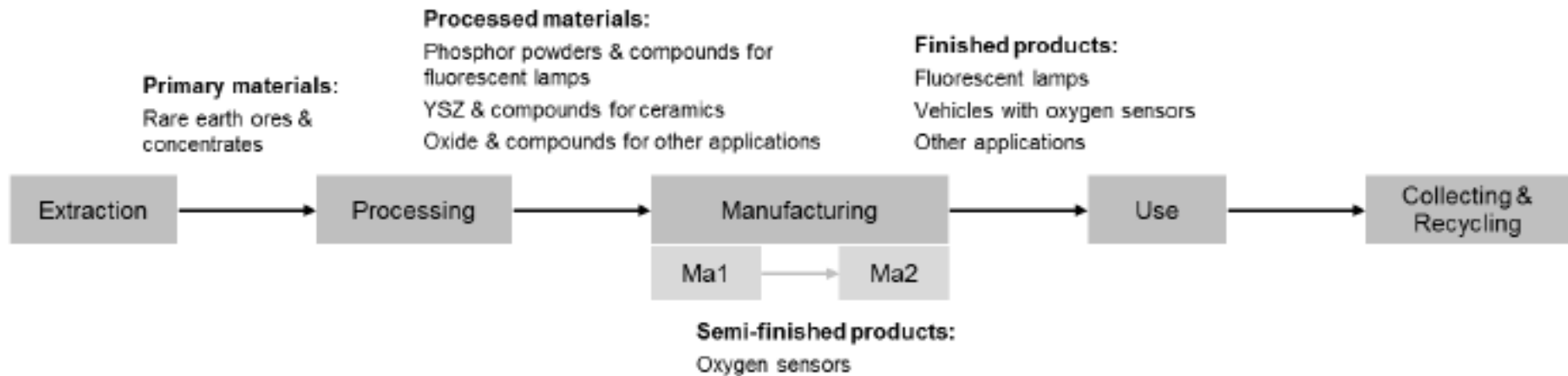


## Rare Earth Elements – Yttrium

After extraction, rare earths ores and concentrates are separated and processed into single rare earth oxides and compounds, including Y oxides and compounds (such as Y-stabilized zirconia and phosphor powders). These processed materials are converted into semi-finished products such as ceramics for oxygen sensors (from YSZ), or directly into fluorescent lamps (from phosphor powders). In addition to fluorescent lamps, vehicles equipped with oxygen sensors and other applications are manufactured. The figure below presents the value chain of yttrium with the main uses.



โซ่คุณค่าของ Rare Earth Elements – Yttrium