

# Advanced Manufacturing

T V C C J A P A N D E S K

Japan is one of the world's most advanced manufacturing economies, with strong demand for productivity, automation and high-spec components - well aligned to UK engineering and industrial innovation.

## Why This Sector Matters

- Japan has a record **450,530 industrial robots** operating in factories, reflecting sustained investment in automation.
- R&D spend is **3.70% of GDP (FY2023)**, supporting advanced production, materials and applied engineering.

## Opportunities for UK Businesses

- **Supply advanced machinery**, robotics, sensors and control systems for smart factories.
- **Partner on supplier development**, quality systems and technical collaboration (testing, validation, continuous improvement).
- **Provide specialised engineering services** (process optimisation, compliance, certification, training).

## Opportunities for Indian Investors

- **Co-develop products** with UK engineering teams and research partners.
- **Invest in UK advanced manufacturing clusters** to access specialist capability and supply chains.
- **Form supplier-development partnerships** for European and global market access.