



## INDUSTRY TRENDS WATCH IN 2025

Support Connection components made from aluminum 6082 T6 offer high strength and machinability with density 2.70 g cm<sup>3</sup> and tensile strength about 290 to 310 MPa depending on thickness, suiting structural power sector parts. The global precision machining market was about USD 107.06 billion in 2023 and is forecast to reach USD 180.25 billion by 2030.

Five axis machining is preferred for complex geometries because it reduces setups and improves accuracy and finish. Smart factory adoption including predictive maintenance and analytics is raising productivity and quality controls demanded by power sector buyers. Manufacturers combining five axis capability with traceable heat treat records and CNC program control win repeat business in utility contracts.

## PRODUCT SPOTLIGHT



### SUPPORT CONNECTION

SEE Linkages produces precision Support Connections from high-strength Aluminum Al-6082-T6, using advanced 3D CNC programming and 5-Axis VMC machining. Featuring intricate angles and radii, these components demand exceptional accuracy. They play a vital role in power sector assemblies and sub-assemblies, ensuring reliability and performance in critical electromechanical applications.



## LIFE @ SEE

### CNC Machine Operation Apprentice Training at SEE Linkages

The programme covered key aspects of CNC operations, including machine setup, tool path programming, material handling, and safety procedures.