BOSCOTEK
RECLAIM YOUR WORKSPACE

Engineering Laboratory Storage for Queensland University of Technology

Based in Brisbane, QUT is a top Australian university with an applied emphasis in research and a reputation for quality. With over 40,000 students, the university is in high demand. A recent upgrade to its Engineering Precinct Laboratories saw Boscotek selected to supply over 100 high density drawer storage cabinets to help organise the modern faculty facility...

QUT's large Engineering Precinct Laboratories is home to academic staff, undergraduate and post graduate students in the pursuit of Biomedical and Biomechancial Engineering. These professions are responsible for the designing, manufacturing, installation, monitoring and maintenance of medical and surgical equipment and to provide advice and support on engineering matters to medical and allied staff.

When the decision was made to update their research facility with the most appropriate industrial drawer storage system, Boscotek, with its anti-tilt mechanism, 100% full extension runner and easily accessible handle location was successfully awarded the prestigious project after submitting a sample against similar products.

With multiple laboratories, like Cell Culture, Medical Robotic, Instrumentation, Materials, Fluids, Geological, Spatial Sciences, Thermodynamics, Motorsport, and Tribology, each lab is required to store different size items. Boscotek's flexible drawer heights, from 75mm to 300mm and large range of configuration options provided the ideal solution. Each cabinet was installed with heavy duty castors, solid aluminium handles, tray tops and protective rubber matting. This combination provided an efficient mobile storage solution with the added benefit of a worksurface that could also be used as computer workstation.

QUT also considered safety and accessibility when deciding on the storage upgrade project, and were satisfied that

ABOVE:
High density cabinet used as a computer workstation
BELOW:
Open drawer with full extension runner

LEFT:
Medical Robotics working area
BELOW:
Custom size high density cabinets

ABOVE:
Several BTCS.850.1010 high density cabinets with tray tops and handles

Boscotek's anti-tilt mechanism and full extension runner (capable of storing up to 200kg per drawer with total drawer access) met their requirements.

Locating 2 aluminium pull handles on the front face of each cabinet meant moving cabinets from their under bench home position was quick and easy. It also allowed cabinets to be placed adjacent and/or back to back to each other whilst still being accessible to move.

Rapid prototyping using Jetted Polymer systems is a key area within the Medical Engineering Laboratory. It provides accurate, physical 3 dimensional models of human bones and parts. This remarkable equipment meant that custom height high density cabinets were required to allow the large Fused Deposition machinery to sit at the appropriate working height whilst having adequate storage within the glass sealed room.

As well as safety, it was also important to QUT's Engineering Precinct Laboratory team to have the drawer storage cabinets easily distinguishable. To achieve this, Boscotek powder coated in two different colours, grey for 'Medical' and white for 'Labs'. This then avoided cabinets being mixed up into different department zones.

The staff and students at the Medical Engineering Laboratory, Queensland University of Technology, are extremely satisfied with the integration and performance of the Boscotek product.

Contact Boscotek for your next laboratory storage installation or upgrade.

ABOVE:
Tray top, rubber matt and artificial human legs bones