>> New Touch Laser's 3D advantage

When Brad Drury and James Cao founded New Touch Laser in Bayswater Victoria in 2001, they owned just one laser processing machine, which they operated themselves. New Touch Laser specialised in processing long flat sheet and plate work, jigging, rotary and rectangular hollow section work, and the cutting of thicker plates; 25mm mild steel, 20mm stainless steel and 12 mm aluminium.

By 2003, New Touch needed to gain a competitive edge in the market, so Brad and James sat down with the team at John Hart and discussed the possibilities offered from Mazak's range of world class technology. Brad and James were impressed with the capabilities and flexibility of the Mazak U44 Space Gear laser, and with three dimensional cubic, pipe and long piece processing abilities, the machine offered New Touch the innovation they were looking for.

Important to New Touch Laser was both the knowledge they could justify the financial, time and personnel commitments required to install a machine of this level of technology, and being able to successfully market this new technology to their customers. Other issues including local support, the machine size and the strategic move from 2D to 3D affected their decision.

Features of their new Mazak U44 Space Gear include:

>> 2D and 3D cutting with 6 simultaneously controlled axes

>> Mazak's SPACE CAM software allowing automatic programming of work piece fixtures

>> Innovative compact cutting head with 7.5" focal length lens for a wide range of materials and thicknesses

Currently the only one of its kind in Australia, the Mazak U44 gives Brad and James the ability to offer a diverse range of complex jobs including;

>> Counter sinking of holes and slots on plates and pipe

>> Bevel edging of blades

>> Mitring of plates for weld preparation

>> Creating perfect "monolithic" join points on RHS and tubing

The Mazak U44 eliminates multiple, time consuming steps in job shop processing, and this significantly reduces costs and production times.

New Touch Laser needed to improve their capabilities and increase their profits, and was not afraid of the new technology they required to do so. Brad and James were willing to undertake thorough research before investing in the technology, and with the support and knowledge of the John Hart team, have been successful in implementing the Mazak U44 Space Gear and a new way of thinking. According to Brad, "John Hart was instrumental in the success of the installation; with the training and support we received exceeding all expectations".

Brad Drury, Simon Chong, Dang Le (JH) and James Cao

3D 5 axis pipe work