

Processing Machine Pallets

As part of a project to modify a cylinder head wash plant, these pallets are required to be robust to withstand the rigours of handling by machine and by operators in a production environment.

They have to accurately locate the cylinder head so that the wash jets function as designed and clean each of the cast and machined oil ways, galleries, guides and chambers.

The wash comes at the end of the machining sequence so the soft aluminium cylinder head has to be retained securely whilst avoiding any damage to the finished, machined, gasket and other faces.

- Materials as diverse as Acetal and Stainless steel to suit the application.
- From a single pallet up to hundreds, as required by the process.
- Any size
- Potential to include complex part location and clamping features such as toggle clamps.
- Can include handling aids such as handles, lifting eyes, forklift locations etc



Automated manufacturing processes produce any quantity of identical pallets.

Profile laser cut from 6mm thick 316 grade stainless steel.

Can be Permanently Laser etched including sequential numbering if required to identify and trace pallets through the process

In this case the part locations bear on finished machine aluminium component faces so are highly polished and have fully radiused edges to prevent component 'dig in'.

Location features can be retained by press fit, welding, gluing or bolting as determined by the materials and the process requirements.

