

## Firebird 2

Firebird 2 combines the introduction of new systems with advanced production engineering techniques, to result in a medium size co-ordinate drive machine which has an impressive basic machine specification.

Now available in three trace/cut sizes, the Firebird 2 is a robust, accurate and reliable profile cutting machine, ideal for the busy fabrication shop.

### Scanner

The well proven scanner system incorporates automatic 'lead-in' and 'lock-on' to the template pattern, kerf compensation and a fail safe interlock to stop the machine should the scanner lose the pattern.

### Co-ordinate drive

A powerful co-ordinate drive system, with final rack and pinion transverse and friction longitudinal drives to ensure positive traction over the speed range of 75 - 3000mm/min.

### Controls

All controls for movement, direction, gases, and motorised blowpipes are grouped on a central control panel for ease of operation.

### Gas System

A new gas manifold system incorporates solenoid valves for on/off control of the three gases (heating oxygen, fuel gas and cutting oxygen) together with automatic venting valves for cutting oxygen and fuel gas. This automatic venting system ensures that flame is instantly extinguished avoiding any 'nick' in the profile cut edge or smokey flame carbonising the blowpipe nozzles.

A manually operated valve gives the operator fine control of the Cutting Oxygen when plate piercing.

### Mechanical Aspects

The new design track system has a basic length of 2.5m and is extendable in 2.5m sections.

A quick action clamp mechanism enables the operator to easily position blowpipe and scanner carriages.

New design of blowpipe bar assembly incorporates replaceable rails.

Double rail transverse conveyor system combined with positive rack and pinion drive ensures smooth and reliable operation.

Transverse rack and pinion drive

Gas control panel incorporating HI/LO option

