



**Ø circle cutting capacity**  
 1.5m (60in) circle (tracing) – single tracing table.  
 2m (80in) circle (tracing) – two tracing tables.  
 2m (80in) circle (radius bar) – single tracing table.

**cutting capacity**  
 basic=tracing area (anywhere in work area).  
 extended=basic+additional track and tracing tables.

**cutters**  
 up to 6 cutters for multi-profiling  
 \*spacing up to 120in apart.

**additional tracks**  
 units of 1.5m (60in) long  
 or 3m (120in) long.

**additional tracing tables**  
 1.5m (60in) long.

**floor area**  
 basic 7.3m (23ft 6in) × 4.3m (14ft)  
 including operator space.  
 extended=basic+additional tracks.

# planning your Falcon installation

To plan and cost your basic requirements use the data and check list below in conjunction with our printed price list.

## Basic Data

### Basic dimensions

Overall height	1.58m (5ft 2in)
Overall width—boom fully extended	6.3m (20ft 8in)
Overall length—basic 3m (120in) machine	3.4m (11ft 2in)

### Floor area

Recommended floor area—including operator space	7.3 × 4.3m (23ft 6in × 14ft)
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### Working dimensions

Maximum tracing width	2m (80in)
Maximum working width	3m (120in)
Maximum working length—basic machine	2m (80in)

- Start with RH or LH cross-carriage and basic track. To extend working length add 1.5 or 3m (5 or 10ft) track extensions as required.
- You need at least one tracing table. These are 1.5m (60in) long, so if you want to cut large shapes, such as circles over 1.5m (60in) diameter, add another table.
- Work tables—we can supply a basic work table 3m (120in) long and extensions for this in 3m (120in) units, complete with cast iron work rests adjustable for plate levelling.
- If you prefer to make your own work table, note that the basic dimension to work to is 685mm (27in) from floor to underside of plate.
- Choose your cutters to suit preferred fuel gas and nozzle type.
- Select an injector type cutter if you want to use Cutomation or adapt later to natural gas with minimum cost.

- Add a corresponding number of cutter mountings, either standard type, or motorised if you need remote cutter height control.
- Add the Height Control Panel if you are fitting motorised cutters.
- Add a hose set for each cutter.
- Add a piercing valve if desired.
- Electrical—you need a 110V a.c. supply. Add a transformer if required.
- If you are planning to work the machine hard on multi-cutting, it will pay you to fit:
  - (1) for ignition, the basic pilot jet manifold and jet unit for each cutter.
  - (2) Cutomation kit.
  - (3) An individual cutting oxygen solenoid valve for each cutter.
- If you want a tidy, trouble-free installation, and particularly if you plan a long machine, add hose and cable suspension, basic 3m (120in) unit and 1.5m (60in) extensions as required.
- Add a manual for your operator and spare copies for others as required.
- If your maintenance department staff includes an electronics engineer add a Serviceman's Manual.
- Select and add nozzles to suit the fuel gas and cutting thickness required.
- Spares. Order some spares at the start. Ask for our recommended list, which includes printed circuit cards, for the quickest answer to fault rectification.

If you are not sure what the optimum combination of equipment is to meet your production requirements, send us basic details of the work you have to do and we will advise you.

We send you the Falcon 23 manual as soon as you order the machine, to help you plan for smooth, quick, trouble-free installation.