

# Ergoblast® 3000

## Blasting guns, the new generation

The Ergoblast® 3000 developed with the co operation of industrial end users and in consultation with safety standards organisations offers an exceptional combination of user friendly ergonomic design and advanced high pressure technology.

### Futuristic ergonomics

- The gun can be continuously operated with a minimum of effort and without physical strain resulting in greater productivity.
- The operating (switching) grip can be changed within a set time without interrupting blasting.
- Every operator short or tall, slim or bulky can find the optimal, comfortable working grip and support opposition.
- The operator does not have to 'fight' against the reaction force.
- Total flexibility makes muscle cramp a problem of the past.

### A standard of safety way above the recognised norm

- Employing ergonomic (bio technical) design always improves safety.
- The long all round switching surface is easily reached by all builds of operator. There is no trigger so "dead hand" and the temptation to jam or tape the gun 'on' is eliminated.
- State of the art „1 wire technology“ guarantees pump bypass signal integrity and absolute safety in multi gun situations.
- There are no threaded 'T' connections.
- There are no radial leakage bores.
- It is almost impossible for the operator to bypass the safety procedures.
- The switching surface remains unaffected by dirt or other outside influences.
- Enables the operator to maximise his body weight in all of the various working positions
- No trigger
- No flow restrictions
- Heavy duty dissipater sleeve around the UHP hose at the gun connection



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### Advanced high pressure technology

- The straight through (from inlet to nozzle) lance has no sharp bends or restrictions. This design reduces pressure loss, eliminates turbulence and ensures a smooth flow which results in a more efficient water jet emitting the nozzle.
- The system utilises the latest fail safe „1 wire technology“ to generate the control signal between the gun and the pump bypass.
- The gun can be used with all pump types.
- Only one gun required for all types of blasting. It can be outfitted with single nozzles, rotorjets or pneumatically powered nozzle heads.
- Operation status indicators



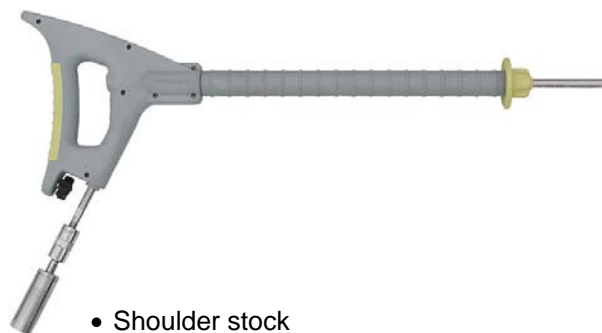
### High reliability

- Robust, fully encapsulated electronics
- No moving parts
- No mechanical wear
- No seals or housing orifices
- Manufactured from wear resistant, long life materials

### Cost effectiveness

- The ergonomic design puts much less physical strain on the operator which means less fatigue so there is increased utilisation. Quite simply there is more efficient actual blasting for a longer period of time per shift.
- Non productive operator time can be reduced by remotely controlling the pump unit.
- Optional data monitoring and recording enables accurate job planning.
- Use of high strength materials and the absence of moving parts means that there are no maintenance costs.
- Versatile modular construction enables a number of applications.

### Versatile accessories



- Shoulder stock
- Two transponder operation (optional)
- Swivelling hose connector
- Lance extensions
- Spray back protection
- Dissipater sleeve for UHP water connection



### Technical data

- max. operating pressure: 43500 psig
- max. flow rate at  $\Delta p$  5 bar: 11.9 GPM
- Length: 39.4 inch, 47.2 inch
- Weight: 9.7 lbs
- Hose connection: M 26 x 1,5
- 1-pole / 4-pole system



Nozzle inserts



Pneumatic motor and nozzle heads



Rotorjets



Abrasive jet cutting nozzles



Abrasive injection nozzles



Thermocon

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