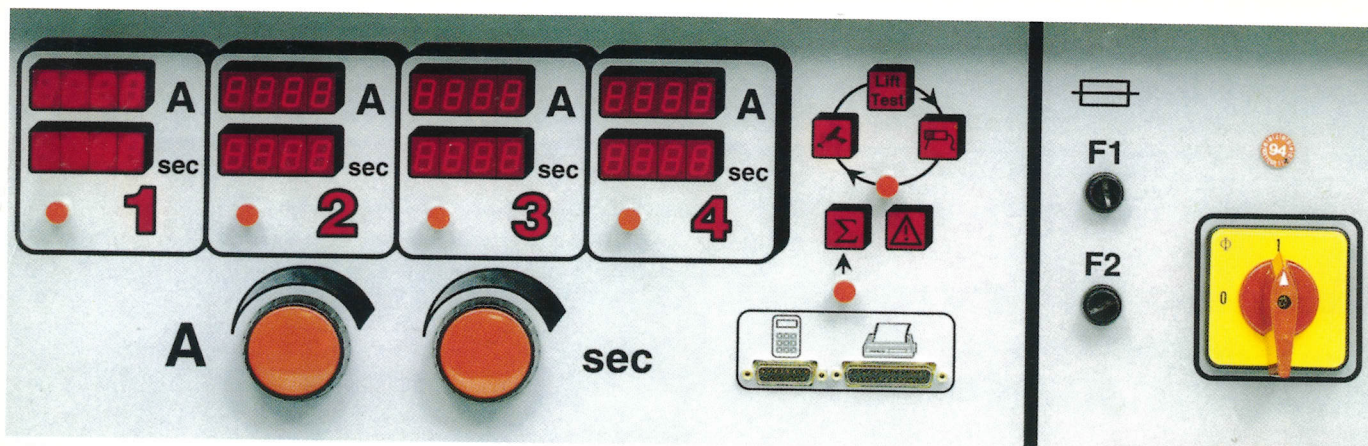
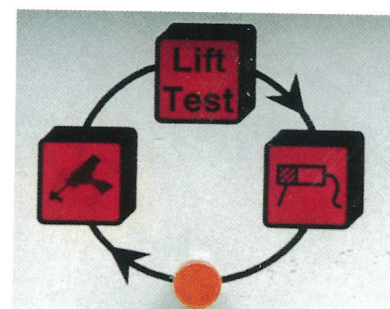


## Standard performance features ATLAS series



### All drawn arc stud welding processes

- ✓ Long cycle ("drawn arc") with ceramic ring 100 – 1000 ms
- ✓ Short cycle without ceramic ring up to 100 ms
- ✓ Through-welding technology up to 3000 ms
- ✓ Welding under shielding gas (see options)
- ✓ Integral article counter
- ✓ High power reserve for long welding cable
- ✓ (manual electrode welding)



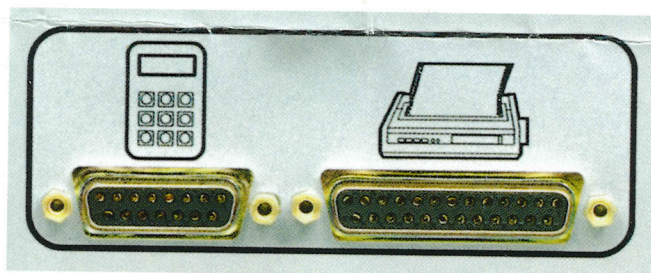
### Monitoring

- ✓ Self-diagnosis/error messages are shown in the display with the letter E and an error code
- ✓ Integral process monitoring system
- ✓ Lift test

### Protocolling

Actual and desired values for

- ✓ Arc voltage
- ✓ Welding current
- ✓ Welding time



## The concept of the ATLAS series

The ATLAS series offers both maximum welding reliability and comfort (features).

### Maximum welding reliability

Basically the ATLAS series is characterised for its NELSON safety concept:

1. The combination of
  - Infinite current control
  - Automatic constant current setting
  - Infinite time control
 ensures highly reliable welding in all practical conditions.

The automatic constant current setting and mains compensation system

- electronically keeps the current at the desired value during welding
- fully compensates for mains voltage fluctuations up to its maximum tolerance level

2. The NELSON power reserves ensure reliable welding even under maximum load on a continuous basis. The ATLAS series is fitted with a particularly large and heat-insensitive power pack. It is designed for very tough conditions and for extremely fast welding, very long cables and unstable current mains.

The ATLAS 2800 offers the highest possible performance. It is based on the power pack of its legendary predecessor the ATLAS 2700.

3. The standard integral process monitoring system offers additional safety.