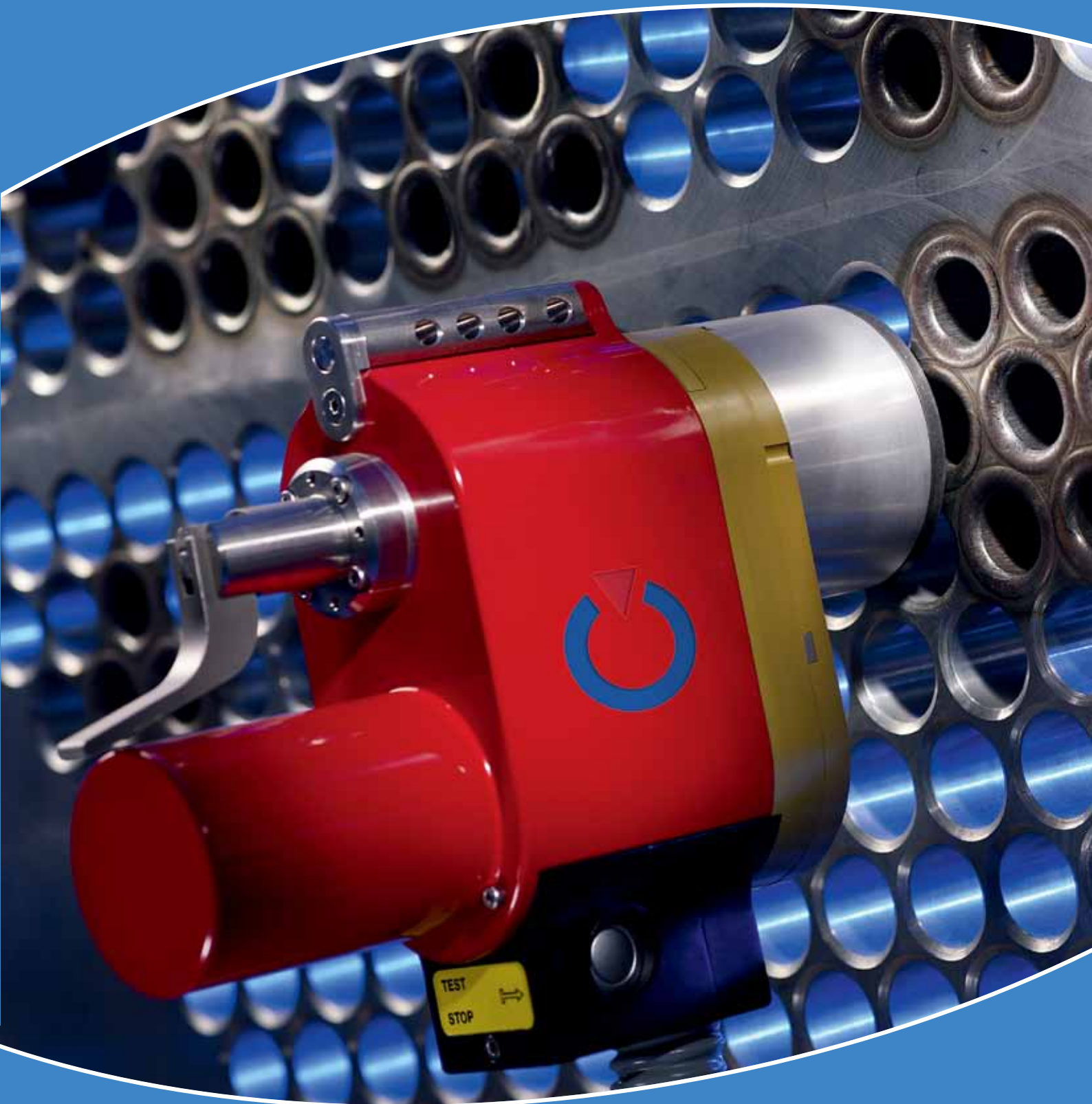


TS 34

TIG - Without Filler Wire

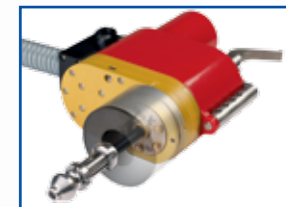
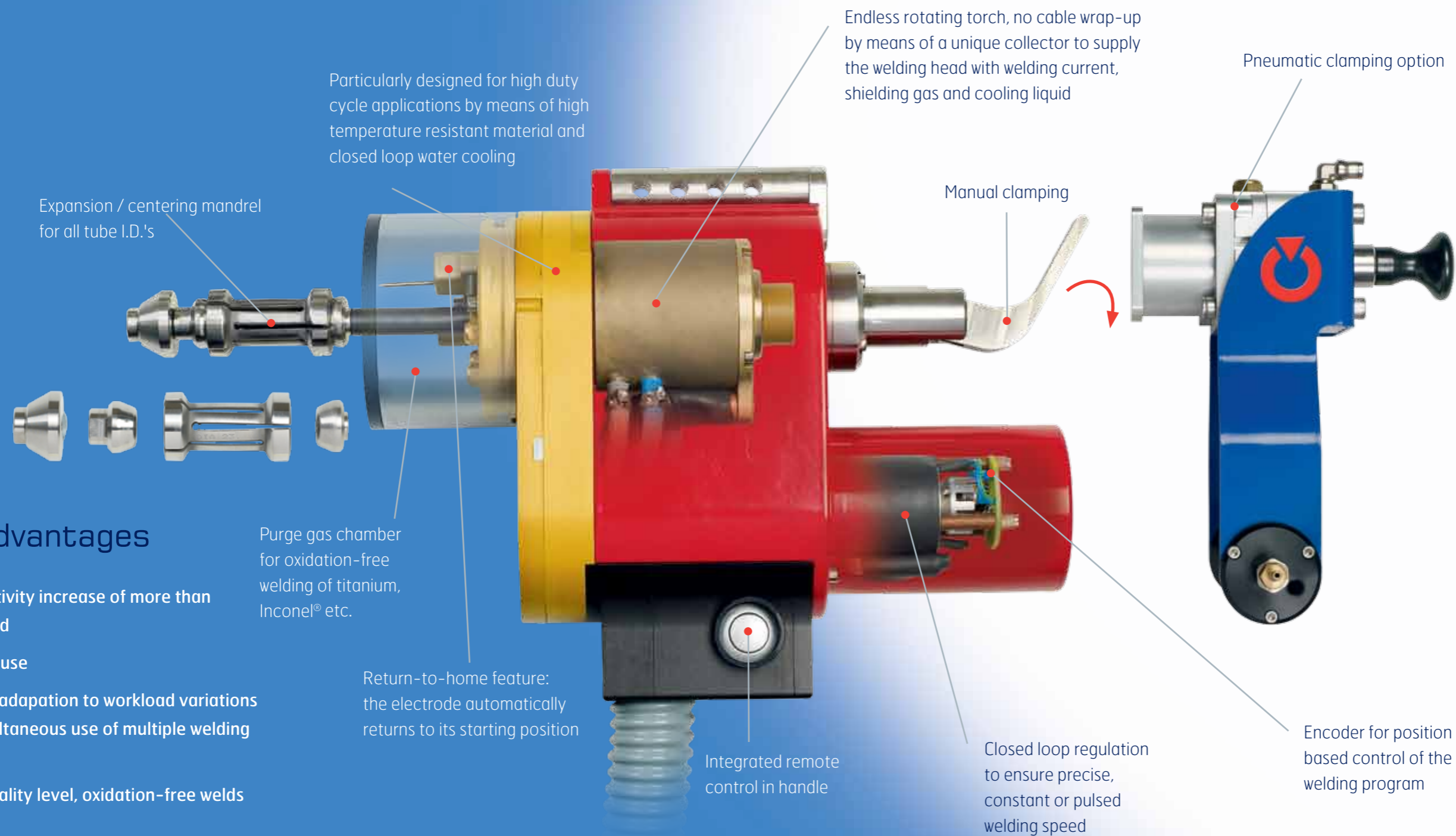
Closed chamber welding head
for welding of tube-to-tubesheet joints



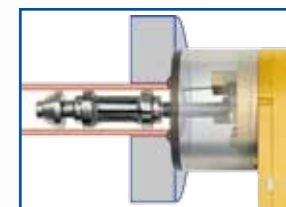
TS 34 Closed chamber welding head

for welding of tube-to-tubesheet joints

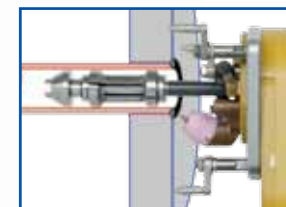
Easy to use, highest quality and productivity



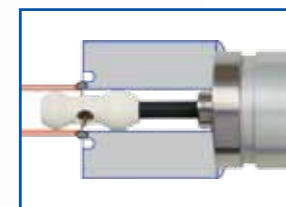
Laminar diffusion of the protection gas inside the purge gas chamber



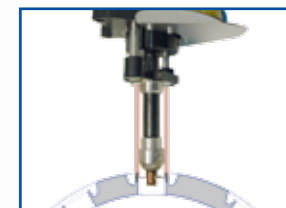
Flush tube welding (purge gas chamber)



Flush tube welding (torch with diffuser)



Back plate tube welding



Nipple on header

Advantages

- ▶ Productivity increase of more than one third
- ▶ Easy to use
- ▶ Instant adaptation to workload variations by simultaneous use of multiple welding heads
- ▶ High quality level, oxidation-free welds

Resulting from 50 years' experience in mastering welding technologies

Associated power sources



▶ **PS 164-2**
160A, "all inclusive", portable, single-phase power supply



▶ **P4**
170A, "modular", portable, programming by PC or touch screen, single-phase power supply



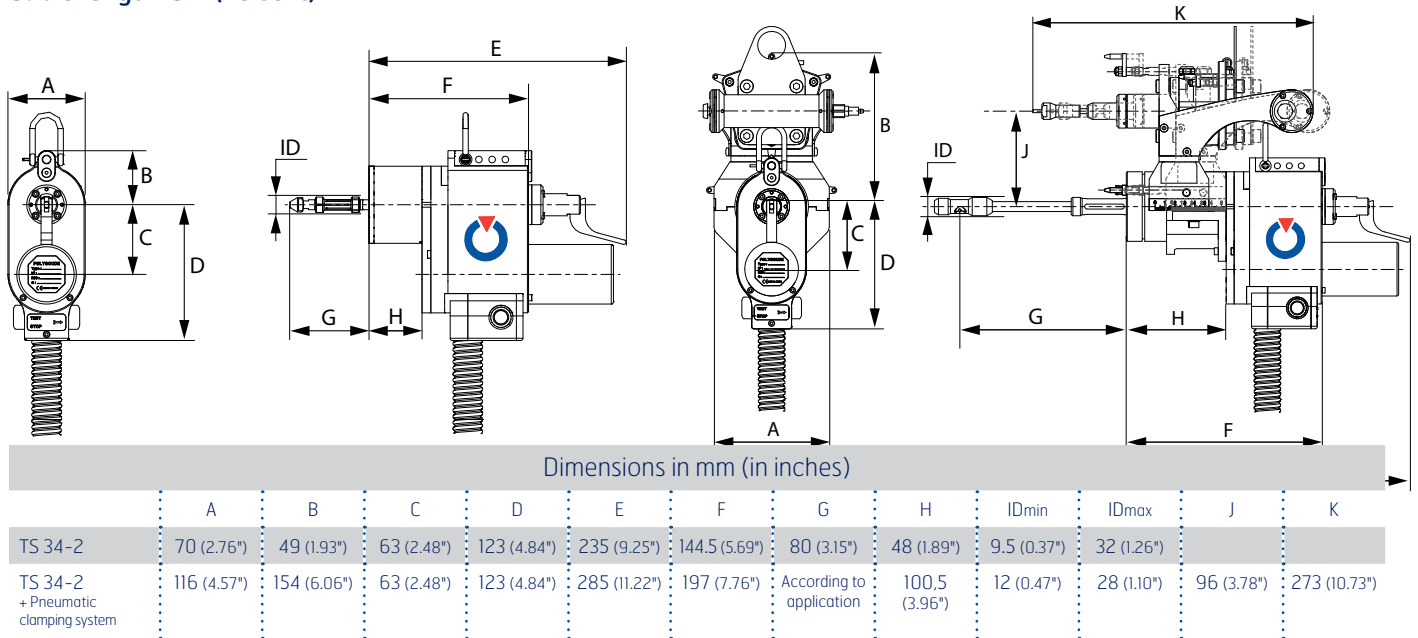
▶ **P6**
300A, "all applications", programming by PC or touch screen, with Arc Voltage Control (AVC) and Torch Oscillation Control (OSC), three-phase power supply

Technical specifications

Min. tube I.D.	10mm (0.39")
Max. tube O.D.	33.7mm (1.33")
	for other dimensions, please consult us
Duty cycle	120A max 120A / 75 %
Torch cooling	Closed loop, water
Tube joint designs:	
• flush	✓
• recessed	1mm (0.04") max
• protruding	0.5mm (0.02") max
• internal bore welding	✓
Positioning / centring	Expansion mandrel
Purge gas chamber	✓
Weight	3.8 kg (8.38 lbs) [excl. cable]

✓ standard
✓ option

Cable length: 9m (29.53 ft)



Options and accessories

- Expansion / centring mandrels for all tube I.D.'s
- Pneumatic expansion / centring device
- Dual welding head switch box
- Compact shipping case for transport and storage
- Tool kit for daily operation
- Extension cable (15 m)
- Pre-sharpened and pre-cut tungsten electrodes

 Adapted for all your applications!



*"On our site, an operator uses
2 or 3 welding heads simultaneously."*

