

# TES-MINI 2

## ELECTRIC ROLL CONTROLLER



The **TES-Mini 2** is a semi automatic torque controller for the precise expansion of ferrous, non-ferrous and alloy tubing. It is ideal for Condenser/Chillers, Heat Exchangers and Boilers. It's one of our most popular tools because of its accuracy, speed and ease of use. The second generation of TES-Mini has been designed with direct input from our customers and utilizes the latest electronic components. As a direct result of these new technologies, gains in precision and energy efficiency have been realized from an already accurate system ( $\pm 1\%$ ). The redesigned control panel is simpler to navigate and incorporates a built in card reader for detailed work reports.



TES-Mini 2 in conjunction with one of our tube rolling motors will improve productivity and safety, while delivering unmatched performance and durability.

### Main TES Mini 2 features

- Microprocessor controlled tube expansion;
- Consistent torque control over 1 or 10,000 expansions;
- Controls torque during long series of tube expanding;
- Programmable torque shut-off value and high/low torque limits;
- Reverse button for retracting expanders from the tubes;
- Programmable timers for; cycle start, reverse pause, end of cycle, and a suppression timer for low torque value settings;
- CE Certified design.

### TES Mini 2 functions

- Speed adjustment or limit (depends on motor type)
- Torque adjustment
- Suppression time adjustments
- Pause time adjustments
- Softstart delay
- Report generation (up to 9999 cycles)
- Works with 110 V and 230 V

## TES Mini 2 Motors

\* Tube Capacity depends on material and technical condition of tube

MOTOR	WEIGHT		MOTOR POWER	FREE SPEED	MAX RPM UNDER LOAD	TORQUE				TUBE CAPACITY*	
	[KG]	[LBS]				[NM]		[FT-LBS]		MIN	MAX
						MIN	MAX	MIN	MAX		
HT-0	1,2	2,4	460 W	2300	1700	0,7	10,0	0,5	7,4	1/4	1/2
ES-0	3,2	7,0	1150 W	680	450	12,0	45,0	8,8	33,0	5/8	1 1/4
ES-2	3,2	7,0	1150 W	650	430	8,0	43,0	6,0	32,0	5/8	1 1/8
				1200	760						
DU-0	2,0	4,4	650 W	628	450	3,0	42,0	2,2	30,5	5/8	1
				2100	1550						
DU-1	8,6	17,6	2000 W	150	120	12,0	250,0	8,8	185,0	3/4	2
				250	219						
				445	380						
				720	650						
K90-E-280	10,0	22,0	1150 W	274	250	40,0	190,0	29,5	140,1	1 1/4	2 1/2
K90-E-190	10,0	22,0	1150 W	142	129	50,0	260,0	36,8	191,8	1 1/2	3
K90-E-90	10,0	22,0	1150 W	90	81	70,0	510,0	51,6	376,2	2	5



HT-0



ES-0  
ES-2



DU-0



DU-1



K90-E-90  
K90-E-190  
K90-E-280