

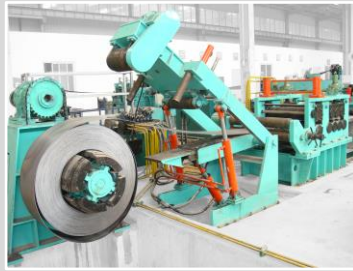
# Entry Section

## Complete automation enabling only one-man

### Uncoiler



Double Drum Rotatable Uncoiler  
for tube sizes of  $< \phi 89\text{mm}$



Single Drum Uncoiler  
for tube sizes of  $\phi 89\text{mm} - \phi 165\text{mm}$



Double Drum Uncoiler  
for tube sizes of  $> \phi 165\text{mm}$

- Bidirectional rotating drum to realize both up and down unwinding
- Braking device at the rear of the main unit to keep the coil in place
- Hold down roll to prevent the coil from bouncing off and injuring people

### Flattener



- Electrically adjustable vertical rolls to align strip centers precisely
- Heat-treated leveling roll surface for long-time reliability under heavy workload
- Hydraulic cylinder with pressure proportional adjustment to adapt the force automatically to strip thickness for better leveling

### Shear End Welder



- Spiral shaped weld seam enabled by angle shearing for better strength and tube mill protection
- Stable welding speed for better welding wire penetration and higher welding quality
- Automatic shearing, seam aligning, and welding for higher efficiency
- Dual welding guns adopted as option for automatic CO<sub>2</sub> shielding welding for faster welding and greater current density, resulting in stronger welding seam

### Horizontal Spiral Accumulator



- Mechanic kinematic and dynamic theories applied to ensure no jamming, folding, deformation, or scratch during the whole process even for ultra thin and ultra wide strips
- Heavy-duty design and mechanically rugged structure to withstand heavy load consistently
- Rollers with high-grade material and surface treatment for longer service
- Automatic unmanned operation with storage detection, alarming, and remote monitoring

#### Technical Data Sheet

Model No.	Width of Strip (mm)	THK of Strip (mm)	ID of Coil (mm)	OD of Coil (mm)	Weight of Coil (T)
TB32	40-100	0.6-1.6	420-620	Max.1800	Max.1.6
TB50	60-200	0.8-2.0	420-620	Max.1800	Max.2.5
TB76	100-260	1.2-5.0	420-620	Max.1800	Max.4.0
TB89	100-300	2.0-7.0	450-550	Max.2000	Max.5.0
TB114	120-360	2.0-7.0	450-550	Max.2000	Max.7.0
TB165	160-520	2.5-7.0	450-550	Max.2000	Max.8.0
TB219	240-700	3.5-12.0	450-550	Max.2000	Max.15.0
TB273	320-900	4.0-12.0	450-550	Max.2000	Max.18.0
TB325	440-1100	5.0-16.0	450-550	Max.2000	Max.25.0
TB406	600-1300	6.0-18.0	580-760	Max.2200	Max.30.0
TB508	700-1650	6.0-20.0	610-760	Max.2200	Max.35.0
TB630	900-2000	6.0-20.0	780-860	Max.2200	Max.40.0
TB660	900-2200	6.0-22.0	780-860	Max.2200	Max.43.0
TB711	900-2400	8.0-22.0	780-860	Max.2200	Max.45.0