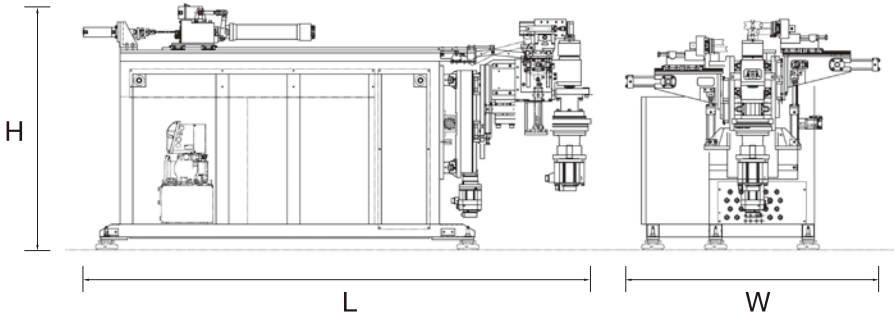


Model Name Designations

TWS—□□□
15 S Single
30 D Dual
W Windows control

TWD—□□□
25 S Single
45 D Dual
W Windows control



Technical Data

Model/Spec		TWS-15	TWS-30	TWD-25	TWD-45
(O.D.x t(mm))Maximum bending diameter	Thin wall (STKM11A)	φ 15.9 × t1.0	φ 31.8 × t1.5	φ 25.4 × t1.2	φ 42.7 × t1.2
	Thick wall (STKM11A)	φ 12.7 × t1.6	φ 25.4 × t2.0	φ 19.1 × t2.0	φ 38.1 × t1.6
	Nonferrous metal (Copper,Aluminium Annealed material)	φ 19.1 × t1.2	φ 31.8 × t2.0	φ 25.4 × t2.0	φ 42.7 × t2.0
	Stainless steel (SUS304)	φ 12.7 × t0.8	φ 25.4 × t1.0	φ 19.1 × t0.8	φ 31.8 × t1.0
	Steel bars (SS400)	φ 6	φ 10	φ 8	φ 18
	Square pipe (STKMR)		20 × 20 × 1.5	15 × 15 × 1.5	25 × 25 × 1.5
(R) Maximum bending radius		60	100	100	110
(mm) Maximum tube/pipe length		1500	1800	2200	2500
CNC control axis		6-axis	6-axis	7-axis	10-axis
Maximum movement speed	(mm/sec) Feed speed	1050	1050	1280	710
	(° /sec) Plane speed	500	500	500	380
	(° /sec) Bending speed	205	120	170	80
Repeat precision	(mm) Feed accuracy	±0.05	±0.05	±0.05	±0.05
	(°) Plane accuracy	±0.05	±0.05	±0.05	±0.05
	(°) Bending accuracy	±0.05	±0.05	±0.05	±0.05
Overall size	L	3500	4500	4600	5700
	W	1650	1900	2100	2450
	H	1600	1600	1700	2000
	Kg	1800	2500	3220	6000
	kVA	16.6	21.2	24.3	38.7

Please contact us for more information.



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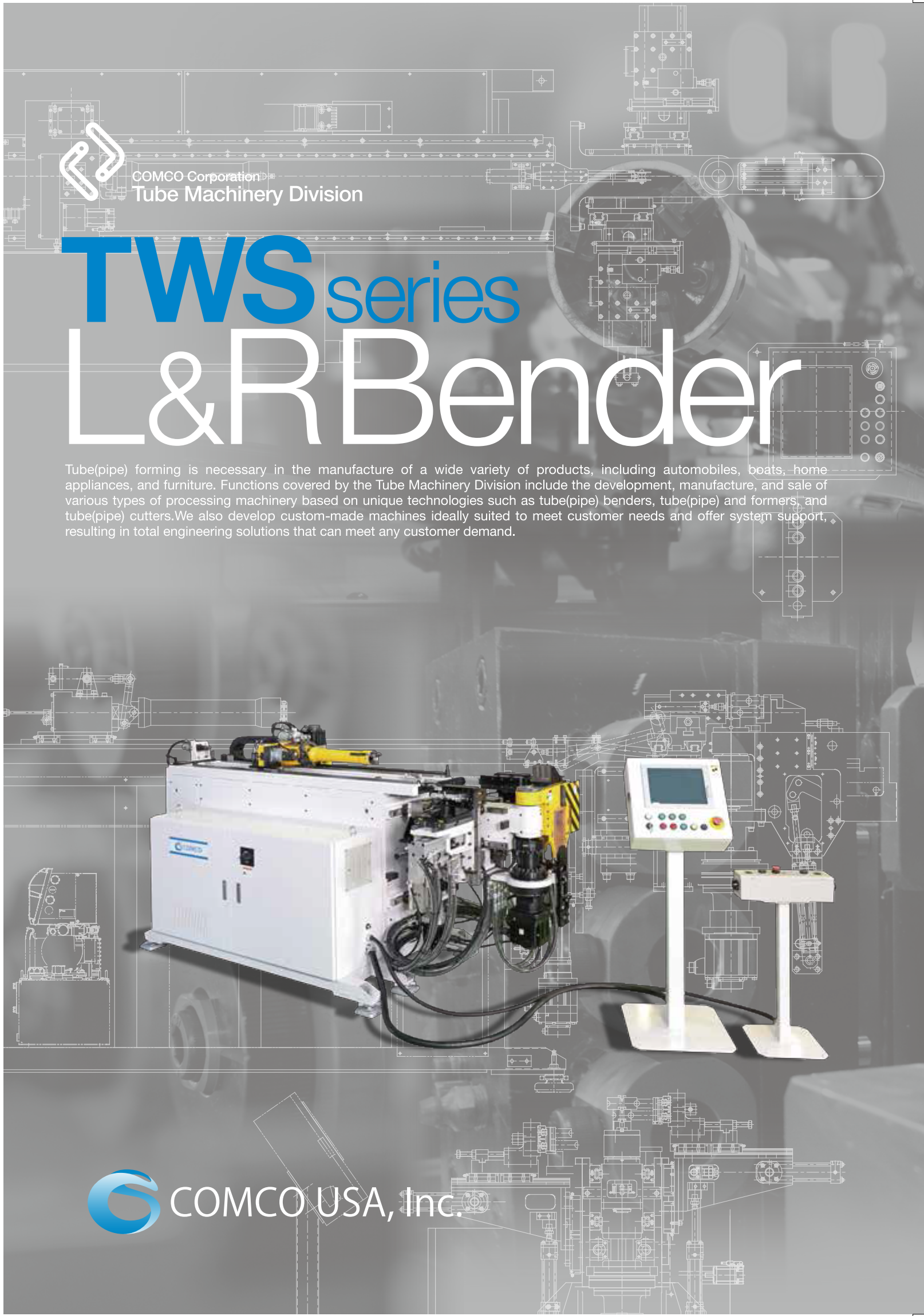
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The machine model and specification could be changed without prior notice.



COMCO Corporation
Tube Machinery Division

TWS series L&RBender

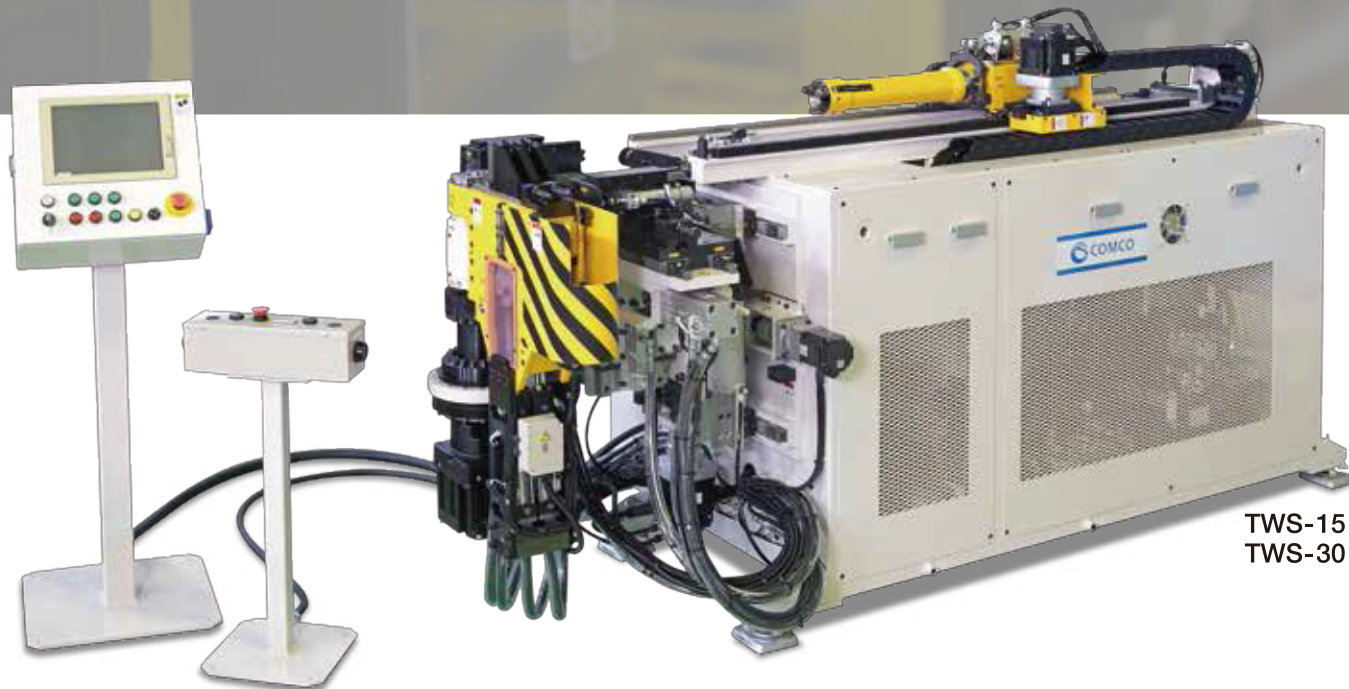
Tube(pipe) forming is necessary in the manufacture of a wide variety of products, including automobiles, boats, home appliances, and furniture. Functions covered by the Tube Machinery Division include the development, manufacture, and sale of various types of processing machinery based on unique technologies such as tube(pipe) benders, tube(pipe) and formers, and tube(pipe) cutters.We also develop custom-made machines ideally suited to meet customer needs and offer system support, resulting in total engineering solutions that can meet any customer demand.



COMCO USA, Inc.

TWS series
L&RBender

This machine can run left hand and right hand function simultaneously.
It uses standard programming yet it is faster and flexible.

TWS-15
TWS-30

Special Machine



Special machine : 2-head type TWD-25 . TWD-45

Option

Customized options to
fit your productions needs



System Up

Efficient full automation system is assembled in a minimal area.



Simulation

3-D bender simulation software which allows you to
check interferences before making bender tooling

Onscreen display of part interference. Advantage to replace the factory work onto PC operation: 1 Cost reductions: scrap, CO2 reduction, etc. 2 Hazard avoidance due to unexpected action. 3 Possible to transfer the interference avoidance data machine. 4 Custom programming available for custom desired model, tools, bending data.



1 Check tube/pipe shape

2 Simulate and display interference.
Automatic interference elimination
search

3 Re-simulate

4 Finish bending
Transfer of simulation data
to machine program