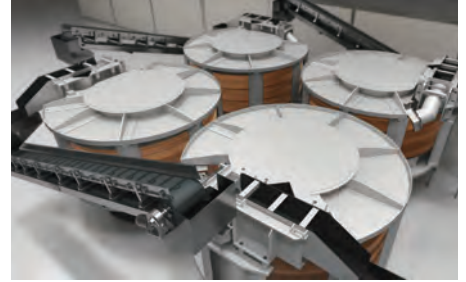


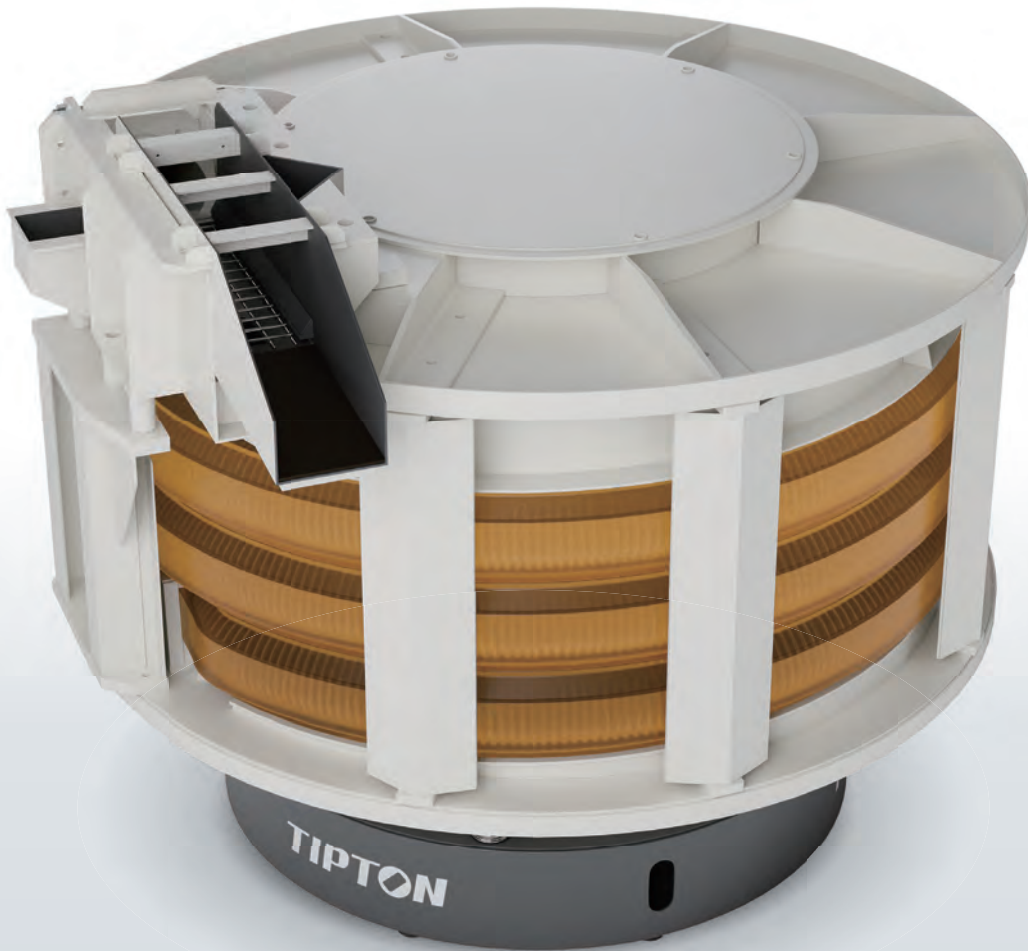
Double Multi-layer Vibratory Barrel Finishing Machine



CWS Series



In-line automation shown



Small footprint × In-line = Max. productivity

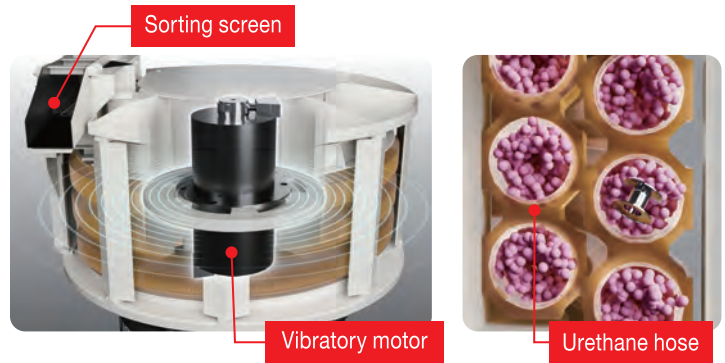
Patent

US3771266A US5803800A
US6076249A

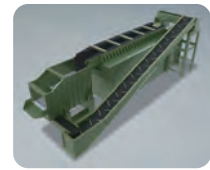
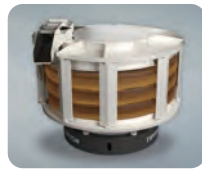
Made in Japan

Structure/Principle

Heavy duty urethane hose is wrapped in double multi-layers around the central vibration motor. The vibration force creates a spiral flow inside the hose where the workpiece is polished by the abrasive media that moves with the flow. By placing the workpieces at a certain interval, the spacing avoids chipping and dents while ensuring a uniform finish. After polishing, the workpiece and abrasive media are separated by a sorting screen on the top of the machine and the workpiece is discharged from the discharge port while the abrasive media is returned into the hose.



Comparison between the CWS and conventional vibratory finishers



	CWS	Bowl shaped batch type	Straight in-line type
Less Chipping	✓	×	×
Uniform finish	✓	×	×
Work environment	Clean	Splash out from machine top	Splash out from machine top
Inline production	✓	×	✓
Footprint (Capacity 170L)	2.6m²	2.1m ²	4.2m ²

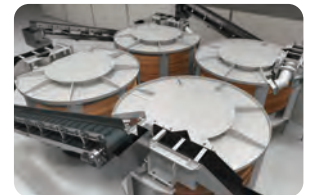
Patented technology

CWS's unique structure (US5803800A), which forms stable flow throughout the hose facilitates uniform finishing.



Automation

By constructing a fully automatic line that includes workpiece input, finishing, sorting, cleaning, and drying - CWS can be completely unmanned.



Model	Items	Working Capacity	Inner Diameter of Bowl	Loading Height of Workpieces	Unloading Height of Workpieces	Vibratory Motor	Footprint	Overall Height	Weight
CWS-170U2		170L	106mm	1052mm	936mm	5.5kW	1900x1500mm	1200mm	1200kg
CWS-450U2		450L	156mm	1400mm	1208mm	11kW	2400x1900mm	1600mm	2000kg

※Footprint include the size of self-supporting operation panel. ※Operation panel is the self-supporting type. Size : Length 400mm x Width 300mm x Height 1400mm
 ※Inner diameter of barrel shows that of urethane hose. ※CWS-450U2 model is made based on special order subject to validation if workpieces and finishing condition.
 ※The specifications of machines may be changed for improvement without prior notice.



Head Office 3-19-21 Toyoda, Minami-Ku, Nagoya, Aichi Prefecture 457-8566 Japan
 Tel: +81-52-692-6666 Fax: +81-52-692-9445
 Headquarter-Sales 3-19-21 Toyoda, Minami-Ku, Nagoya, Aichi Prefecture 457-8566 Japan
 Tel: +81-52-692-7175 Fax: +81-52-692-0249
 Tobishima Factory 3-25-1 Odakara, Tobishima-Mura, Ama-Gun, Aichi Prefecture 490-1438 Japan
 Tel: +81-567-56-7500 Fax: +81-567-56-7513
 Quality Assurance Section for Product Quality Tel: +81-567-56-7503 Fax: +81-567-56-7516
 Engineering Section for Machine Maintenance Tel: +81-567-56-7504 Fax: +81-567-56-7514

Web Site <https://tipton-us.com/>
 E-mail sales-department@tipton.co.jp
overseas@tipton.co.jp

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