

ENGINEERED
FOR PERFORMANCE
BUILT FOR
THE FUTURE



AVENTRA
— GLOBAL TECH —

• PVT. LTD. •

INNOVATION • ENGINEERING • EXCELLENCE

LEATHER PROCESSING MACHINES



QUALITY | INNOVATION | RELIABILITY



ADVANCED
ENGINEERING



INTELLIGENT
AUTOMATION



LEATHER PROCESS
EXPERTISE



ENERGY
EFFICIENT



ENVIRONMENT
FRIENDLY



AFTER SALES
SUPPORT



www.aventraglobaltech.com

WHY AVENTRA?

THREE STRENGTHS. ONE VISION.

Aventra Global Tech Pvt. Ltd. is built on the unique synergy of engineering excellence, intelligent automation and deep domain expertise in leather technology.

Our combined capabilities enable us to deliver innovative, reliable and complete solutions that drive performance, productivity and sustainability for the leather industry.



INTEGRATED SOLUTIONS

Mechanical, Electrical & Automation expertise under one roof.



PROVEN EXPERIENCE

Decades of hands-on experience across industries and applications.



INNOVATIVE & FUTURE READY

Technology driven solutions with a focus on efficiency and sustainability.



COMMITMENT TO EXCELLENCE

Quality, reliability and customer satisfaction are at the core of everything we do.



Aventra Global Tech Pvt. Ltd. is the result of a strategic collaboration between proven **engineering excellence**, advanced **automation technology** and over one decade of **leather industry expertise** - creating a single source for complete leather processing solutions.

THREE PILLARS OF AVENTRA



ENGINEERING & MANUFACTURING EXCELLENCE

Backed by the engineering capabilities of SM AIR TECH PVT. LTD., Aventura possesses strong expertise in:

- ▶ 30+ years of engineering expertise
- ▶ Advanced manufacturing facility
- ▶ Quality manufacturing infrastructure
- ▶ Industrial process engineering
- ▶ PPH & FRP fabrication
- ▶ Industrial ventilation systems
- ▶ Pollution control solutions
- ▶ Turnkey project execution



INTELLIGENT AUTOMATION AND ELECTRICAL SYSTEMS

Supported by VINTEK CONTROL SYSTEMS, Aventura integrates advanced automation technologies into every machine, including:

- 30+ years of engineering expertise ◀
- Automation & Smart Manufacturing ◀
- PLC Programming & Control Panels ◀
- HMI & SCADA Systems ◀
- Servo Motion Control ◀
- Industrial Automation ◀
- Electrical System Integration ◀
- Remote Monitoring ◀

LEATHER TECHNOLOGY LEADERSHIP

Led by **Mr. S. Chandrashekar**, who brings more than 3 decades of dedicated experience in Apparel, Hospitality, Healthcare & Leather machinery design, research, development & process engineering.

His expertise covers:

- ▶ Leather Retanning / Dyeing / Processing Machines
- ▶ Milling Machines
- ▶ Leather Tumble Effect Machines
- ▶ Vintage look on Leather Processing Machines
- ▶ Process Optimization
- ▶ Product Development
- ▶ Customer Application Engineering
- ▶ Research & Development



COMPLETE
SOLUTIONS



QUALITY &
RELIABILITY



HIGHER
PRODUCTIVITY



STRONG AFTER
SALES SUPPORT

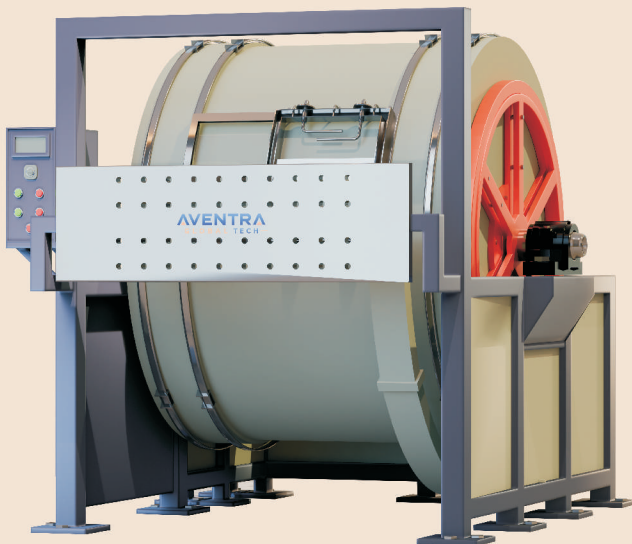


GLOBAL
STANDARDS



ADVANTAGES OF POLYPROPYLENE DRUMS

-  Extremely smooth surface, very glossy and slippery surface, giving very good mechanic effect to the skins.
-  Zero water absorption.
-  Possible to make different colors or process one following other.
-  It withstands temperature between 5°C to 70°C & is long lasting and recyclable.
-  Easy cleaning (less consumption of water for washing).
-  More internal volume and therefore more loading compared to wooden drums of the same external dimension.
-  A Less water consumption, less chemical consumption, higher loading capacity, more uniform distribution of chemical on the leather less energy consumption.
-  Lower weight and therefore less mechanical force on drive and foundation.



PPH DRUM



CHEMICAL
FEEDING TANK



GEARED
MOTOR





Stainless Steel 316 Retanning / Dyeing Sample Drums

SPECIFICATION	AGTSS-7	AGTSS-18	AGTSS-30	AGTSS-40
Shaved WT. Loading (KG)	7	18	30 kg	40
Drum Speed (RPM)	9-14	9-14	9-14	9-14
Motor Power (HP)	1	2	3	5
Drum Diameter (mm)	800	1000	1200	1400
Drum Width (mm)	400	500	750	750
Overall Dimensions (mm)	W1600	W1700	W1800	W1800
	D1000	D1300	D1500	D1700
	H1400	H1800	H1700	H1800
Heating Load (kW)	6	9.0	12	12

PPH Retanning / Dyeing Sample Drums

SPECIFICATION	AGTPP-7	AGTPP-18	AGTPP-30	AGTPP-50	AGTPP-75	AGTPP-100
Shaved Weight Loading (KG)	7	18	30	50	75	100
Drum Speed (RPM)	9-14	9-14	9-14	9-14	9-14	9-14
Motor Power (HP)	1	2	2	3	7.5	10
Drum Diameter (mm)	800	1000	1200	1200	1550	1850
Drum Width (mm)	400	500	750	900	1280	1250
Overall Dimensions (mm)	W1600	W1700	W1800	W1800	W1950	W1950
	D1000	D1200	D1500	D1500	D1900	D2100
	H1400	H1800	H1800	H1800	H2000	H2100



PPH Classic & High Loading Drums

PPH Classic Drums (Retanning / Dyeing Standard Configuration)

SPECIFICATION	AGTPP C-250	AGTPP C-600	AGTPP C-800	AGTPP C-1200	AGTPP C-1500	AGTPP C-2000
Shaved Weight Loading (KG)	250	600	800	1200	1500	2000
Drum Speed (RPM)	9-14	9-14	9-14	9-14	9-14	9-14
Motor Power (HP)	12.5	20	25	40	50	50
Drum Diameter (mm)	2150	2500	2500	3000	3000	3500
Drum Width (mm)	1500	2000	2500	2500	3000	3250
Overall Dimensions (mm)	W2800	W3500	W4000	W4500	W5000	W5000
	D2800	D3200	D3300	D3700	D3700	D4250
	H2700	H3200	H3200	H3600	H3700	H4250

PPH High Loading Drums (Retanning / Dyeing Jumbo Configuration)

SPECIFICATION	AGTPP H-300	AGTPP H-900	AGTPP H-1100	AGTPP H-1500	AGTPP H-2200	AGTPP H-3000	AGTPP H-4000
Shaved Weight Loading (KG)	300	900	1100	1500	2000	3000	4000
Drum Speed (RPM)	5-7	5-7	5-7	5-7	5-7	5-7	5-7
Motor Power (HP)	10	15	25	30	40	50	50
Drum Diameter (mm)	2150	2500	2500	3000	3000	3500	4000
Drum Width (mm)	1500	2000	2500	2500	3000	3250	3500
Overall Dimensions (mm)	W2800	W3500	W4000	W4500	W5000	W5250	W6000
	D2800	D3200	D3300	D3700	D3700	D4250	D5000
	H2700	H3200	H3200	H3600	H3700	H4250	H5000



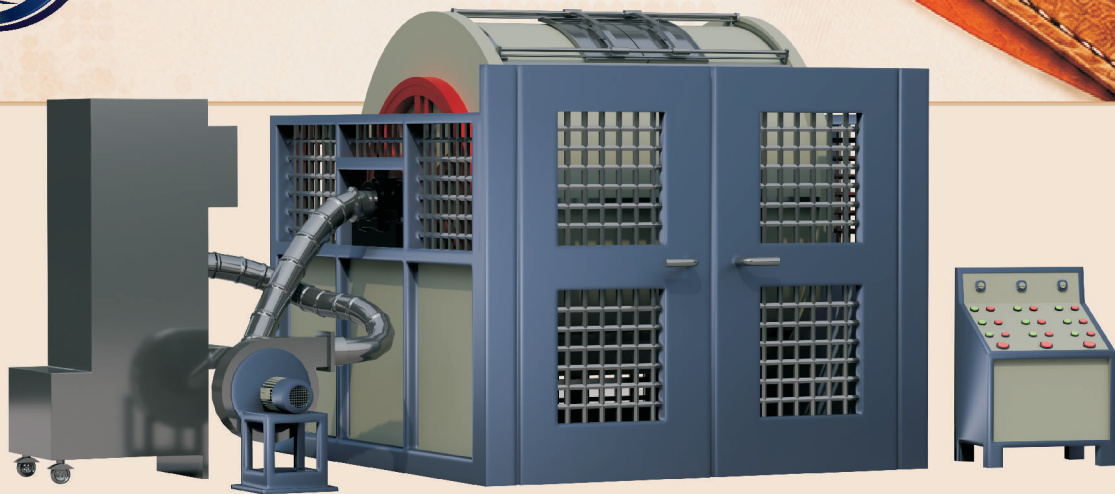
WOOD Classic & High Loading Drums

WOOD Classic Drums (Retanning / Dyeing Standard Configuration)

SPECIFICATION	AGTW C-350	AGTW C-500	AGTW C-750	AGTW C-1000
Shaved WT. Loading (KG)	350	500	750	1000
Drum Speed (RPM)	9-14	9-14	9-14	9-14
Motor Power (H.P)	15	20	30	40
Drum Diameter (mm)	2500	2500	3000	3000
Drum Width (mm)	2000	2500	2500	3000
Overall Dimensions (mm)	W3500	W4000	W4500	W5000
	D3200	D3300	D3700	D3700
	H3200	H3300	H3700	H3700

WOOD High Loading Drums (Retanning / Dyeing Jumbo Configuration)

SPECIFICATION	AGTW H-500	AGTW H-750	AGTW H-1000	AGTW H-1500
Shaved WT. Loading (KG)	500	750	1000	1500
Drum Speed (RPM)	5-7	5-7	5-7	5-7
Motor Power (H.P)	15	20	30	40
Drum Diameter (mm)	2500	2500	3000	3000
Drum Width (mm)	2000	2500	2500	3000
Overall Dimensions (mm)	W3500	W4000	W4500	W5000
	D3200	D3300	D3700	D3700
	H3200	H3300	H3700	H3700



Leather Milling Machine

FEATURES

The machine drum is fabricated from 304 grade stainless steel, ensuring durability and corrosion resistance.

The outer drum is fully insulated to enhance thermal efficiency and safety.

The complete machine is mounted on a heavy-duty, galvanized and painted mild steel frame, providing structural strength and long-term reliability.

The machine is powered by a high-performance geared motor, ensuring smooth and efficient operation.

The system is equipped with an integrated dust recovery unit and electronically controlled temperature and humidity regulation systems for precise process control.

The machine features stainless steel sliding doors for ease of operation and durability.

Operation is managed through a user-friendly electrical control panel with an integrated display system.

A front-mounted safety door is provided to ensure operator safety and compliance with safety standards.

TECHNICAL SPECIFICATIONS

SPECIFICATION	AGTM SS-100	AGTM SS-300	AGTM SS-700	AGTM SS-1000
Loading Capacity (Kg)	100	300	700	1000
Drum Speed (RPM)	10-18	10-18	10-18	10-18
Motor (HP)	5	15	25	30
Drum Diameter (mm)	1800	2500	3000	3500
Drum Width (mm)	1000	1600	2000	2500
Dust Collecting Motor (HP)	3	5	7.5	10
Electrical Heating (kW)	9	18	24	36



Tumble Dryer



MODEL	AGTD TD-30	AGTD TD-60	AGTD TD-100	AGTD TD-150
DRYING CAPACITY (KG)	30	60	100	150
DRUM VOLUME (L)	615	1220	2015	2900
DRY SPEED (rpm/min)	34	34	34	34
ELECTRICAL HEATING (KW)	18KW/24KW	27KW/36KW	80KW	96KW
DRIVE MOTOR (KW)	0.75	1.5	2.2	3.75
EXHAUST MOTOR SIZE (KW)	0.75	1.5	1.5*2	1.5*3
DOOR OPENING DIA (mm)	800	800	1000	1000
WEIGHT (Kg)	575	880	980	1500
DIMENSIONS	-	-	-	-
DRUM DIAMETER (mm)	970	1220	1450	1770
DRUM DEPTH (mm)	830	1050	1220	1220
CABINET HEIGHT (mm)	1850	2150	2510	2650
CABINET WIDTH (mm)	1030	1350	1620	2000
CABINET LENGTH (mm)	1300	1980	1870	1970

Hydro Extractor



Model	Capacity	Basket	Motor		Dimensions
	(Kg)	Volume			(WxDxH)
		(Ltr)	(hp)	(kW)	(mm)
AGT-DD 15	15	60	2	1.5	800x930x1150
AGT-DD 30	30	133	3	2.25	1000x1130x1220
AGT-DD 50	50	258	5	3.75	1200x1400x1300

About S M AIR TECH

Established in 2014, S M AIR TECH Pvt. Ltd. is a Bengaluru based engineering company specializing in pollution control and corrosion-resistant process solutions for industrial applications. It is equipped with modern manufacturing facilities and advanced fabrication capabilities.



PRODUCTS & SERVICES

- ▶ Acid-Resistant Lining
- ▶ Acid Handling Systems
- ▶ Air Pollution Control Systems
- ▶ Air Ventilation & Exhaust Systems
- ▶ PP, FRP, PVC, MS & SS Storage and Chemical Tanks
- ▶ Non-Metallic Engineering Plastic Fabrication.
- ▶ Wet Scrubber Systems
- ▶ Dust Collection Systems
- ▶ Industrial Ducting Solutions
- ▶ Conveyors & Automation Systems
- ▶ ETP

About Vintek

Vintek Control Systems, established in 2004, is an Indian company specializing in the design, manufacturing, testing, and commissioning of electrical and automation control panels. More than 20 years of experience, it delivers reliable, customized solutions for industries such as steel, cement and power, focusing on quality, innovation, and efficiency.



PRODUCTS & SERVICES

- ▶ Power Distribution & Production Panels
- ▶ Drive & Motor Control Panels
- ▶ Automation & Interface Panels
- ▶ AVR Panels
- ▶ Low Voltage (LV) Panels
- ▶ Medium Voltage (MV) Panels
- ▶ Bus Duct Systems
- ▶ EPC Projects & Engineering Services





STATE-OF-THE-ART MANUFACTURING FACILITY

Our integrated manufacturing facility is equipped with:

- ▶ Automatic Butt Welding Machines
- ▶ CNC Routing Systems
- ▶ VMC Machines
- ▶ Plate Bending & Rolling Machines
- ▶ Heavy Fabrication Infrastructure
- ▶ Precision Machining Equipment
- ▶ Advanced Assembly & Testing Facilities
- ▶ Strict Quality Inspection Systems

This enables Aventra to deliver precision-engineered, high-quality, durable, and reliable leather processing machinery that meets global manufacturing standards.





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