



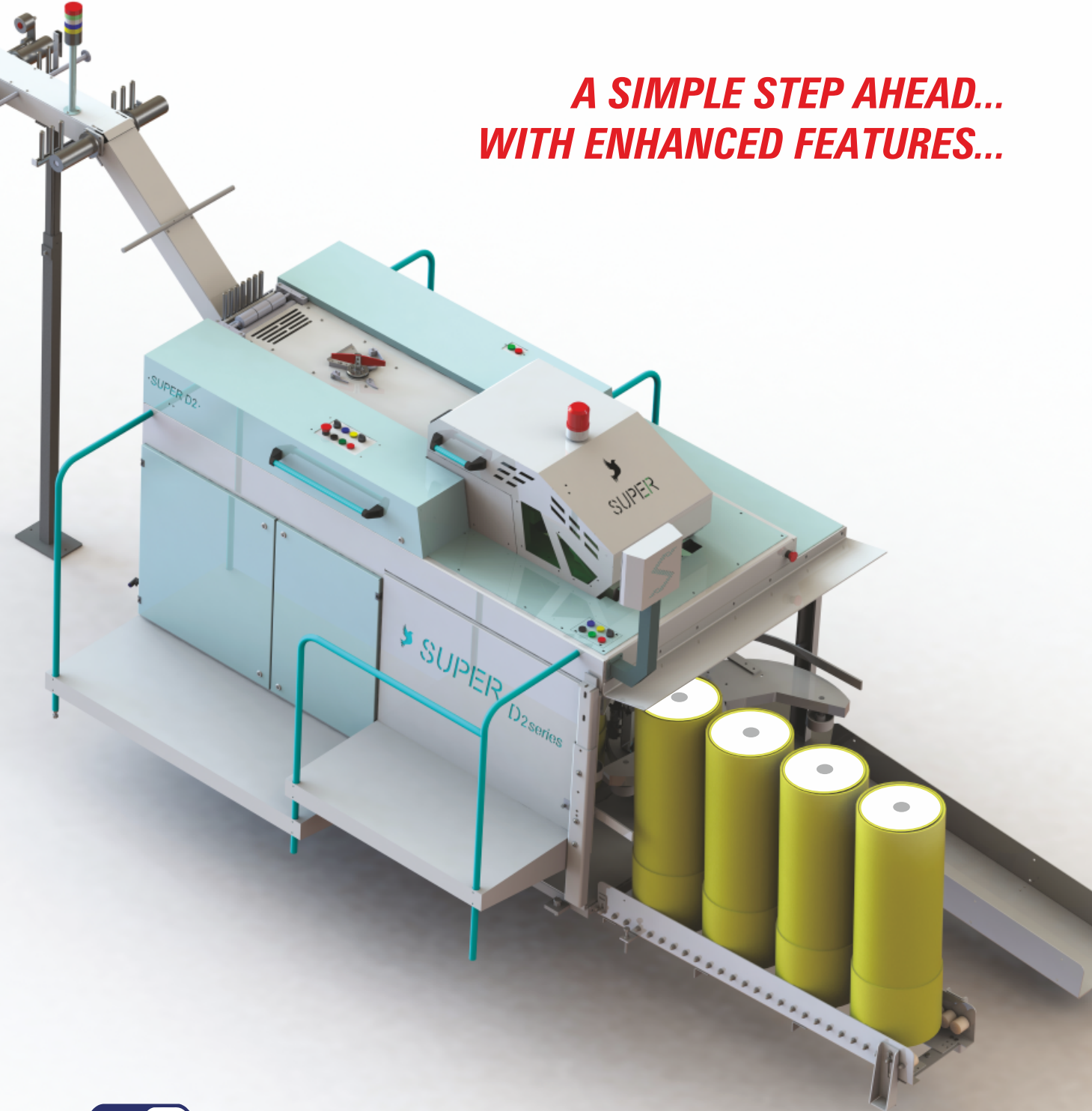
**SUPER**

— Your Trusted Partner —

# ***SUPER D2***

***Auto Leveller Drawframe***

***A SIMPLE STEP AHEAD...  
WITH ENHANCED FEATURES...***



DISPLAY CONTROL ENABLED



***\* Over 1000 Installations across the Globe***

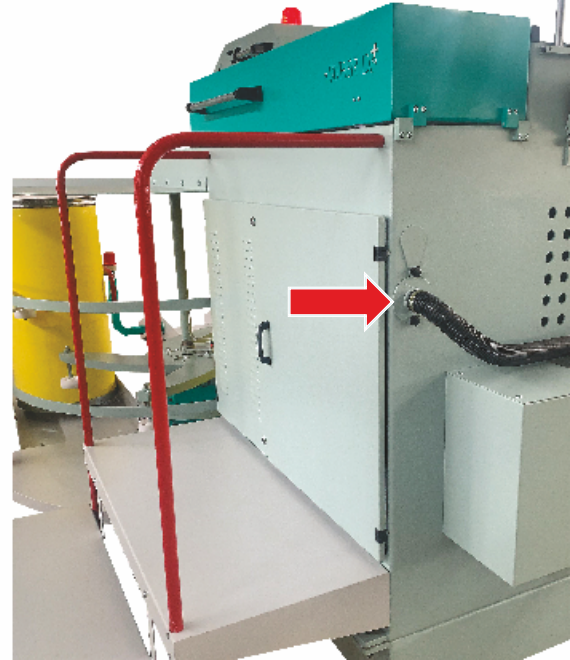


# ***SUPER D2*** ***THE ENHANCEMENTS***

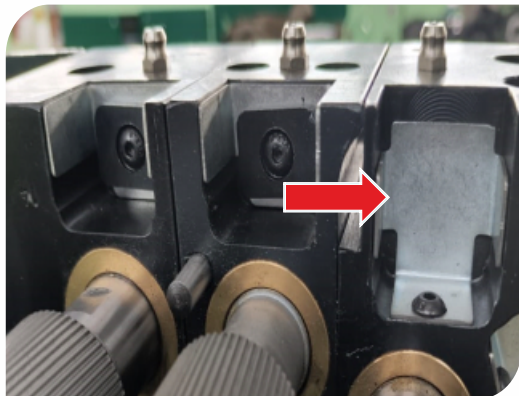
## **SUPER VACUUM CLEANING SYSTEM S-VCS**



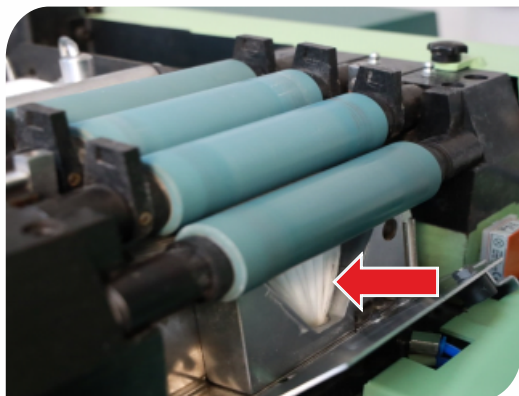
- Eliminates the need of compressed air for machine cleaning.
- Easy to operate and handle.
- Simple integrated system to keep the machine clean at all times.
- Avoids moisture and water content during cleaning of Electrical Panel Accessories.
- The function of S-VCS can be easily controlled through the machine HMI.



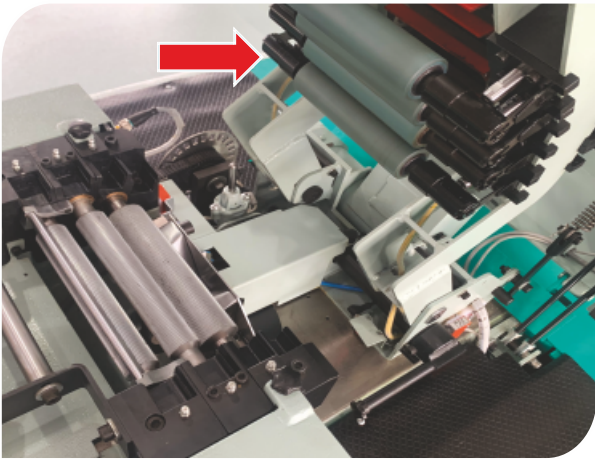
## **FUTURE ENVISIONED DRAFT ZONE**



- Hardened and flexible spring sheet steel insert caps are used for extended life of Roller saddle.
- Constant quality is maintained with uniform loading and positioning of Top Roller End Bushes.
- Need not replace the entire saddle, Only the inserts shall be changed.
- Drastically reduces the machine down times and improves production efficiency.
- Great reduction in cost due to minimum maintenance requirement.



- Automatic sliver piecing through innovative D2 Trumpet.
- The D2 web Trumpet enables uniform web flow at high speed operations.
- Easy and convenient system to handle.
- Reduces Trumpet chocks by more than 40%.
- Improves production efficiency upto 15%.



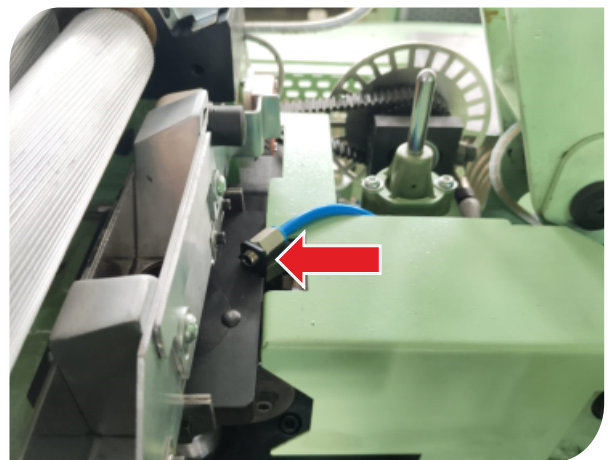
### Newly Designed Top-arm

- Remodified Top Arm with Top rollers, gives additional working space for easy handling of the Machine.
- Convenient mounting of Top Rollers enables smooth drafting of sliver.



### Cleaner Nozzle for Delivery Zone

- Dust cleaner nozzle is provided at the web Trumpet holder to periodically clean the micro dust. Near the condenser zone to improve the sliver quality and appearance.



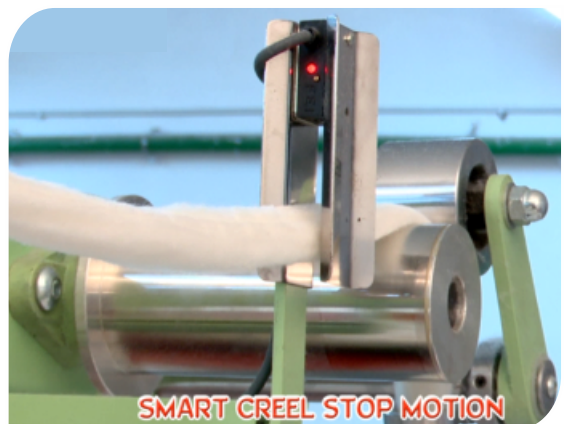
### Newly Designed ACC

- Specially designed automatic can changer aimed at 'Zero can damages'.



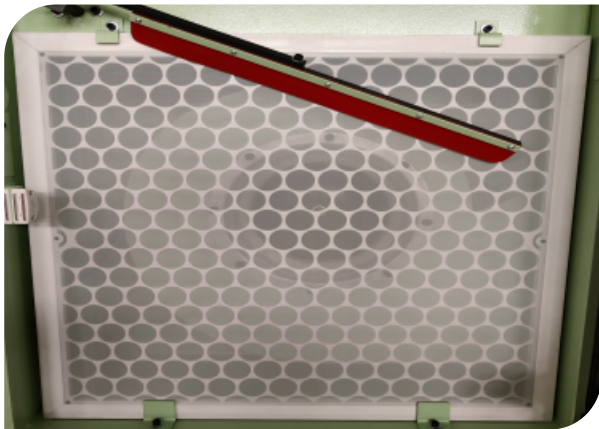
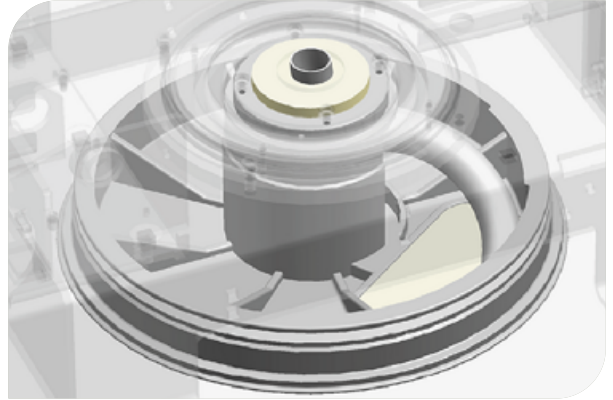
### Super Smart Creel

- Positive drive creel with super smart sensor stop motion control.



## Spiral Tube Coilers

- Complete Aluminum Body with stainless steel double bend tube for smooth sliver path.
- Stainless Steel bottom provided for smooth sliver deposit in can.
- Dynamically balanced for high speed operations.

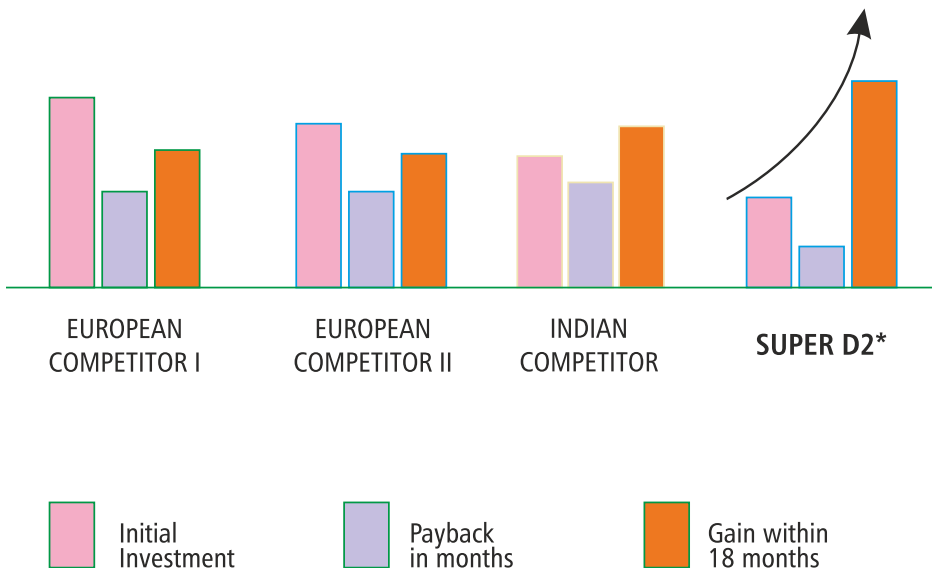


## Automatic Suction Waste Cleaner

- The suction waste is cleaned at periodical intervals to maintain uniform suction pressure.
- This prevents unwanted stoppages and improves production and quality.

## QUICKER PAYBACK WITH SUPER D2

\*12 TO 18 MONTHS





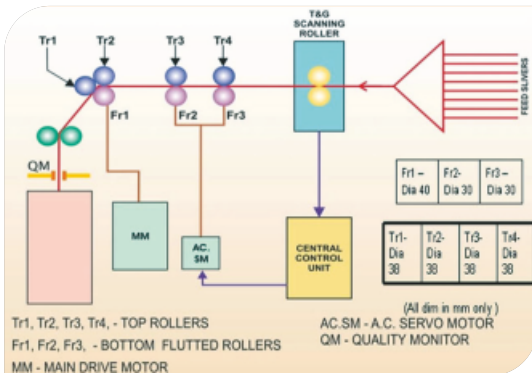
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# SUPER D2 AUTO LEVELLING CONCEPT

Auto-Leveller Draw frames have become an integral part of a modern textile mill producing High Quality Yarns.

To bring the Auto-Leveller Draw frame within the reach of all the textile mills, we at Super Machine Works (P) Ltd. have developed an Auto-Leveller Draw frame at par with international standards and operating performance.

The Auto-Leveller System is built around latest High Technology Data Acquisition System, Hi Tech Sensors, Highly accurate AC Servo Motors and High Speed Industrial Plcs.



## Salient Features

- Most Reliable Tongue & Groove system for scanning Infeed sliver irregularities @ every 1 mm.
- Latest Electronic Servo Drafting System. (No Draft Gear change).
- Hi-tech AC Servo drive for maximum flexibility.
- The Main Drive Motor is controlled by VFD inverter drive.
- Innovative method of Automatic Sliver Insertion in to the coiler.
- All parameters are Digitally monitored & Controlled easily accessible by Touch Screen Interface.
- Automatic Top Arm Release system during overlapping conditions.
- In Built Inline Quality Monitoring system.
- Cost effective compared to imported machines
- Automatic can changer comes as a standard fitment in all Machines.

No.s	Technical Data	SUPER D2
1.	No of Delivery / Machine	1
2.	Maximum Delivery speed (Mechanical)	up to 1000 Mts/min
3.	Draft Range from	4.5 to 10
4.	Range of Staple Length	20 mm to 75 mm
5.	Delivery Hank	up to 0.3
6.	Drafting Arrangement	4 over 3
7.	Normal Rating of Main Driver Motors (a) Main Motor (b) Servo Motor	5.5 kW 3.0 kW
8.	Normal Rating of Auxiliary Motors (a) Suction Motor (b) Can change Motor	1.5 kW 0.37 kW
9.	Maximum Production @ 100% Efficiency at 0.1 Hank per delivery / day (Theoretical calculation)	8500 kgs
10.	Can Dimensions at Delivery	Dia 12" to 24" (300-600mm) Height 36" to 48" (910-1220mm)

# SUPER - D2 DRAW FRAME FLOOR PLAN

**\*FEED CANS**

UP TO 1000mm

UP TO 8 DOUBLING \*

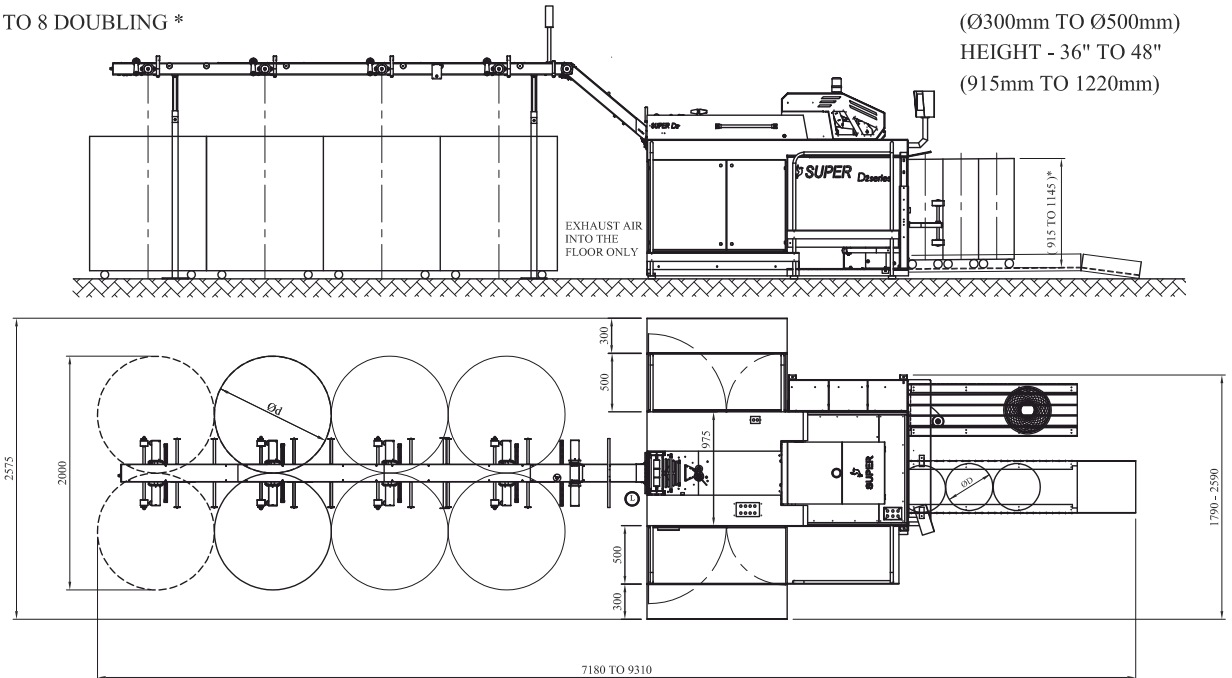
**\*DELIVERY CANS**

FROM Ø12" TO Ø20" CAN DIA

(Ø300mm TO Ø500mm)

HEIGHT - 36" TO 48"

(915mm TO 1220mm)



\* LAYOUT MAY SLIGHTLY DIFFER BASED ON CUSTOMER CANS SPECIFICATION.



**SUPER**

≡ Your Trusted Partner ≡

**Our Logo epitomizes our working culture**

\* The white Dove represents peace and harmony in the industry

\* The green background represents a clean and healthy environment

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