



MTS18-180

LEATHER GRINDING

MACHINE TECHNIQUE

DETAIL

I 、 Introduction:

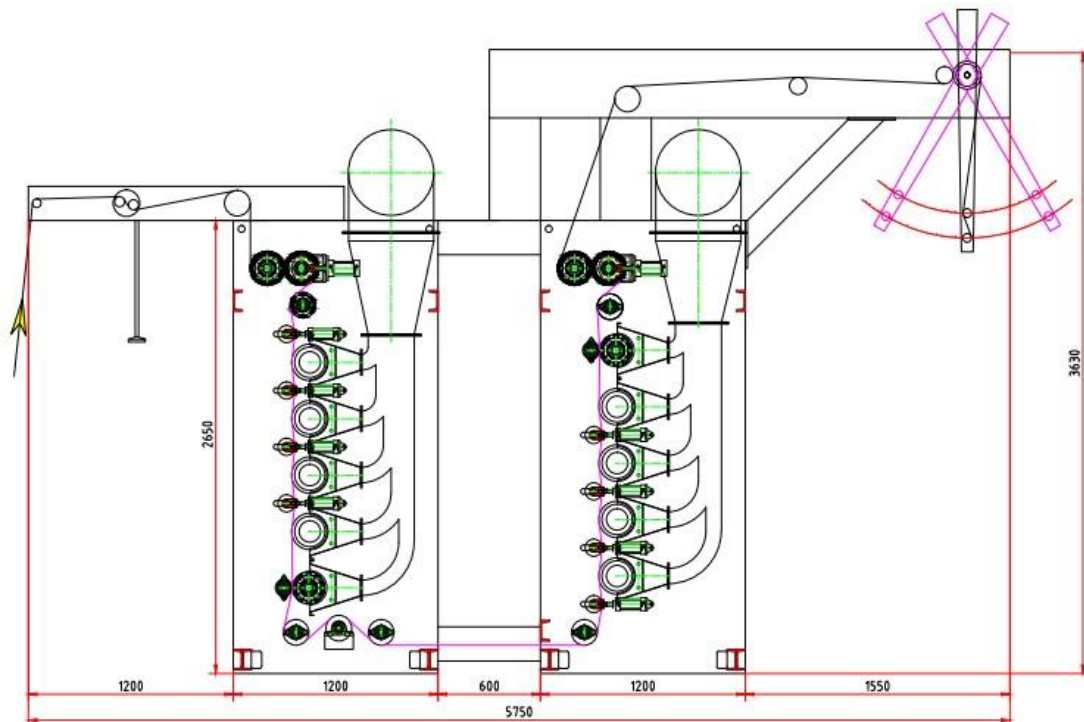
This leather grinding machine is vertical type. Sanding rollers can be used alone to meet the needs of customers with various varieties. And the machine can realize new combination according to clients' requirement.

The machine adopts advanced control technology to realize on line control of tension, angle of contact, saddening and rotate speed. Sueding technics can be re-acted fully.

II 、 Application:

This machine is suitable for **microfiber and suede leather**. Can get thick and even fluff with excellent hand feel. After sueding treatment can improve leather surface stripe or blemish with very small structural hurt.

III、 Process Flow:



Fabric enter--- Edge guide--- Expanding--- Sueding fabric enter--- 4pcs sanding rollers---
--4pcs sanding rollers--- Sueding fabric delivery----- Fabric dropping

IV、 **Main Technical Parameter:**

- ① Roller width:1800mm
- ② Machine type: Left or right hand type
- ③ Type: Vertical
- ④ Roller Configuration: 8 sanding rollers (suede double sides)
- ⑤ Mechanical speed: 5-45m/min
- ⑥ Sueding roller rotate speed: 1200 rpm
- ⑦ Machine power :89 kw

V、 **Feature:**

FEATURE	DESCRIPTION
Frame	The frame is made of 16mm thickness plate welded, adopts closed frame structure. Good appearance, easy operation. With walking board for covering sanding paper easier.
Sanding Roller	Quantity: 8 pcs Sanding roller is steel roller with the diameter $\phi 215\text{mm}$, radial runout $\leq 0.1\text{mm}$. Adopts 3 times balance technology, balance precision grade G6.3. Rotating speed 1200 r.m.p driven by 5.5kw motors separately. The sanding rollers can transversally travel.
Pressing Control	Each sueding roller adopts pneumatic pressing separately. Digital display, precision up to 0.1mm.
Dust Removal	Adopts 2 set 11kw motor, new type suction fan and separate dust removing system, which have very good dust removing effect.
Fabric Entry & Delivery	Adopts “S” roller padder. Rollers dia. 200mm covered by rubber from Germany. “S” roller or padder dual purpose. Can realize tension control and guarantee tension and friction force keep the same for no matter thick or thin fabrics. Enter driving motor 5.5kw. Delivery driving motor 5.5kw.
Fabric Delivery Frame	Plaiter.

Electric Control	Main units adopt inverter control. Touching screen, PLC is available to on line inspect, control and save the sueding process of speed, tension, saddening, sueding
	angle and etc. The machine has the function of react sueding technics. Excellent PLC control system adopts plain words, simple chart and process to instruct the operators step by step very easy.

VI、 **Customer should prepare the following parts:**

The source for compress air, the power, the pipe for connecting the mouth of fans, the bag for collecting dust, some wires, and basis construction.

VII、 **Other Introduction:**

Document: flow chart drawing, foundation drawing, Specification for mechanical and electrical, each two pieces. A piece of specification for special parts.

ORIGIN OF MAIN PARTS

NAME	BRAND	ORIGIN
Frequency converter	Delta	Taiwan
Touch screen	MCGS	Shenzhen
PLC	Mitsubishi	Japan
Electric replay	Zhengtai	Zhejiang
Contactator	Zhengtai	Zhejiang
Breaker	Zhengtai	Zhejiang
Button	APT	Shanghai
Tension controller	Kortis	France
Fans	Nantong	Nantong
Bearing	TWB	Wuxi



Cylinder	SNS	Zhejiang
Motor of roller	Lichao	Shanghai