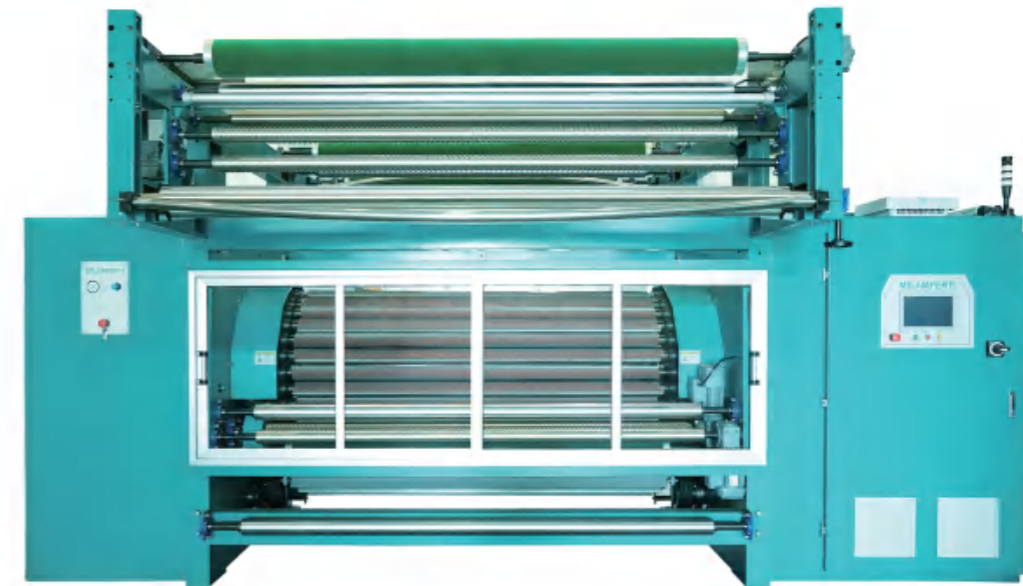


# MILAMPERTI

美林公司

TECHNOLOGY OF FUTURE



Milam Machinery (Guangzhou) Co.,Ltd

美林机械（广州）有限公司

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RAISING MACHINE

起毛机

## Heritage and Innovation 传承与创新

Benefiting from the Italian design team led by Mr. Lamperti from the leading Lamperti family, this top-tier team brings exceptional design concepts, extensive fabric finishing experience, outstanding precision manufacturing capabilities and a steadfast commitment to customer satisfaction.

得益于意大利整理机械制造商Lamperti家族Michele Lamperti先生领导的意大利顶尖织物整理团队：具有卓越的设计理念、丰富的织物整理经验、引以为傲的精密加工制造能力和坚持以客户为中心的使命



When combined with decades of accumulated experience, practices, stylistic preferences, and future trend insights from the Chinese textile finishing market, this synergy has led to the innovative definition of a finishing machine — the MiLamperti. Designed in Italy, this new high-performance universal raising machine delivers high-quality results, along with automation, low energy consumption, and user-friendly operation.

当这些和多年中国市场织物整理方面的习惯、经验、风格需求及未来趋势结合在一起，创新定义了织物整理机械 —— 一款由意大利设计研发的拥有生产高品质、自动化、低能耗、易操作的全新高性能通用型起毛机，MiLamperti 美林起毛机

Where More Features Await, and More Effects Become Possible  
更多功能为您呈现，更多工艺成为可能

## Originality and Distinctive Style 原创性能与原创风格

In 2020, MILAMPERTI introduced its originally designed raising machine. It adopted innovative control and manufacturing principles that diverged from traditional fabric raising methods, subsequently establishing itself as the benchmark adopted across the textile raising industry.

2020年，MILAMPERTI美林推出了原创性的起毛整理机。创新采用了有别于传统织物起毛整理的控制与制造理念，成为纺织起毛整理行业争相采用的标准方式。

MILAMPERTI raising machine possesses unique expertise in enhancing fabric hand feel and pile style. Through precise process adjustments, it delivers optimal solutions for diverse finishing effects—from a smooth, touch-perceptible nap to short dense piles and substantial long piles. This versatility enables mills to present highly competitive finished fabrics to the market.

美林起毛机对提高织物手感和起绒风格有着独特的引领效果，通过不同的工艺调试，实现了织物起毛处理的最佳解决方案。从看不到毛但可以触摸到绒感的起毛整理，到短密绒以及厚实长毛起毛效果，有利于向市场展示更具竞争力的整理效果。

## Raising Machine Configuration 起毛机参数

Single-Drum Machine 单鼓机		Double-Drum Machine 双鼓机	
Number of drums 圆鼓数量	1	Number of drums 圆鼓数量	2
Number of raising rollers 起毛辊数量	28	Number of raising rollers 起毛辊数量	28+28
Work width 工作宽度	2200mm	Work width 工作宽度	2200mm
Drum speed 圆鼓转速	60-120RPM	Drum speed 圆鼓转速	60-120RPM
Machine speed 生产速度	7-35m/min	Machine speed 生产速度	7-35m/min
Voltage 电压	AC380V /3phase+N+PE/50HZ	Voltage 电压	AC380V /3phase+N+PE/50HZ
Installed power 安装功率	43KW	Installed power 安装功率	82KW
Air pressure 压缩空气压力	6±0.25Bar	Air pressure 压缩空气压力	6±0.25Bar
Air consumption 空气消耗量	8NL/min	Air consumption 空气消耗量	10NL/min
Basic machine weight 整机重量	8300kg	Basic machine weight 整机重量	13200kg
Suction unit Installed power 抽吸单元安装功率	5.5KW	Suction unit Installed power 抽吸单元安装功率	11KW
Suction capacity 抽吸风量	6000m³/h	Suction capacity 抽吸风量	10000m³/h

## Automated Operation

### 自动化操作

Dual front/rear control for easy operation  
ERP and central control system connectivity  
Recipe management for process standardization and reproducibility  
前后端双操作系统，简单易操作  
可连接 ERP 或中控系统  
配方管理模块有助于实现工艺标准化和重现性

## Universal Raising Machine with Wide Applicability

### 通用型起毛机，适用范围广

Suitable for woven, weft-knitted, warp-knitted, lace fabrics and other textiles  
Compatible with all raw material fabrics including natural fibers, man-made fibers, synthetic fibers and blends  
机器适用梭织、针织纬编、针织经编、蕾丝花边等织物起毛整理  
同时适用所有诸如天然纤维、人造纤维、化学纤维等原材料织物起毛整理

## Body Structure

### 机体结构

Heavy-duty cast iron and steel construction, manufactured as a single integral casting.  
重铁铸钢机体，整体压铸成形

## Single/Double Drum Raising Module

### 单鼓 / 双鼓起毛模块

Provides optional single or double drum configurations to accommodate diverse finishing applications  
可提供单鼓或双鼓起毛整理选择

## Direct Drive System

### 直驱系统

Combines smooth operation with superior raising power  
运转平稳丝滑和更大起毛力度的完美结合

## Automatic Clean Brush Unit

### 自动底扫单元

Combining automatic wire cleaning and grinding functions  
兼具自动清洁针布功能和自动磨针功能

## Automatic Tension Control

### 自动张力控制

Automatically detects and adjusts to maintain constant tension  
自动检测和调节实现恒定张力

## Energy Saving System

### 节能系统

30% Reduction in energy consumption  
Effectively lowers operational power costs  
能耗比 30%  
可有效降低能耗

## Original Performance

### 原创性能

Proprietary fabric contact angle and arc length design achieves perfect integration of raising function and tension control  
独创织物接触角度和弧长设计，让起毛功能和张力控制完美结合

## Single/Double-Side Raising

### 单 / 双面起毛功能

Delivers finished-quality fabrics in single-pass processing for both single and double-side raising  
无论单面还是双面起毛处理都可一次性做出成品效果

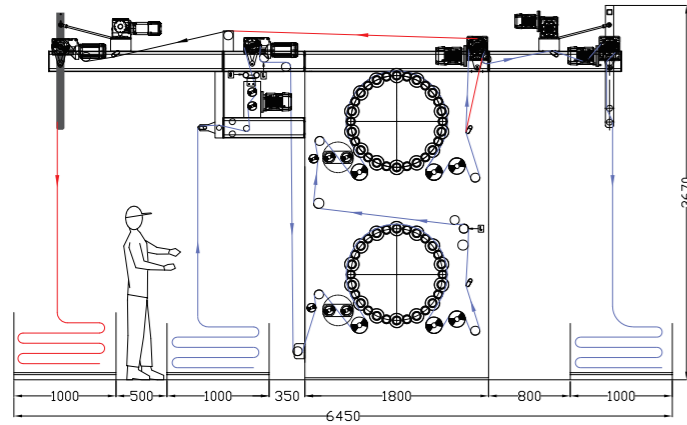
## Superior Raising Style

### 优异起毛风格

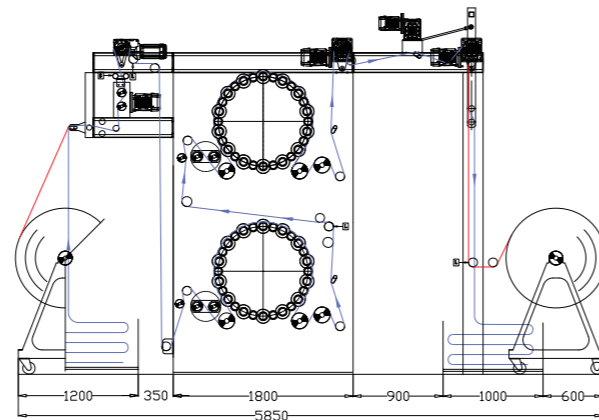
An exceptionally uniform, smooth surface with dense and pronounced pile texture  
Minimizes strength loss and fiber shedding to effectively reduce raising waste  
Maintains excellent fabric elasticity and minimal width shrinkage  
织物表面均匀平整，绒感强、密度好  
强降小，不易掉纤，有效降低起毛损耗  
织物仍拥有良好的弹性开度，减少织物门幅收缩



For fleece fabrics  
卫衣织物起毛

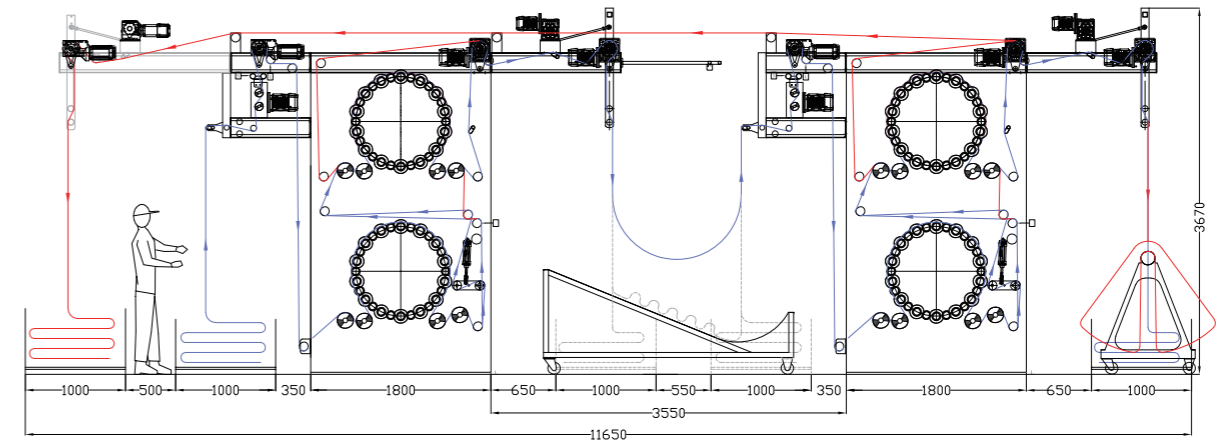


Winding and unwinding module  
收放卷应用模块



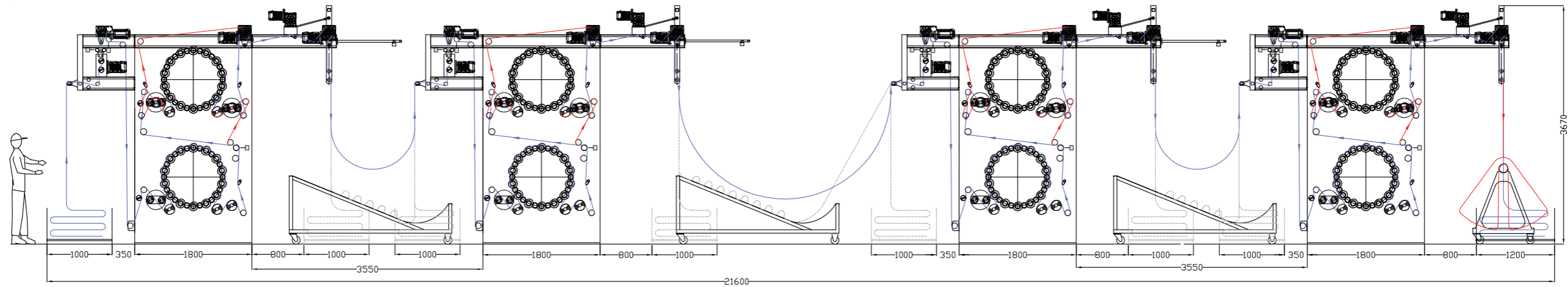
For woven fabrics  
梭织物起毛

- optional double-sided raising module
- operates as a single unit or in a production line
- 可选配双面起毛模块
- 可单机或联机使用



For knitted fabrics  
针织物起毛

- optional double-sided raising module
- operates as a single unit or in a production line
- 可选配双面起毛模块
- 可单机或联机使用



Single drum machine line for woven/knitted fabrics  
梭织/针织单鼓联机应用

- optional double-sided raising module
- operates as a single unit or in a production line
- 可选配双面起毛模块
- 可单机或联机使用

