

The background of the top half of the image is a detailed technical drawing of a mechanical assembly. It features various cross-sectional views of components, including gears, shafts, and housing parts. The drawing is annotated with numerous dimensions and specifications, such as radii (R0.5, R15, R140, R10, R25), diameters (Ø69, Ø56, Ø64 H10h11, Ø46 H7/f7, Ø30 f7, Ø40 H5/f7), and thread specifications (M6, m=3, z=36). A large gear with 6 teeth is labeled '6(2:1)'. The drawing is rendered in a light gray color on a white background.

PROJECT 1099:
HIGH EFFICIENCY RAISING MACHINE

March 2022



COMPANY INTRODUCTION

Shanghai Tiran is a commercial and industrial company dedicated to providing the most modern, efficient and solid solutions in machinery and production processes in the field of nonwovens.

The knowledge and experience, acquired for more than 10 years, in the construction and start-up of complete production lines guarantee our quality, for that we have a highly qualified technical team, capable of responding and solving the most demanding challenges .

Shanghai Tiran strengthens the vision of becoming a key partner for our clients in finding effective, energy efficient, sustainable and technologically advanced production solutions to meet the highest requirements and standards.

On behalf of our technical and commercial staff and especially our Management, we want to thank you for the opportunity to send you the following commercial proposal:

PROJECT INTRODUCTION

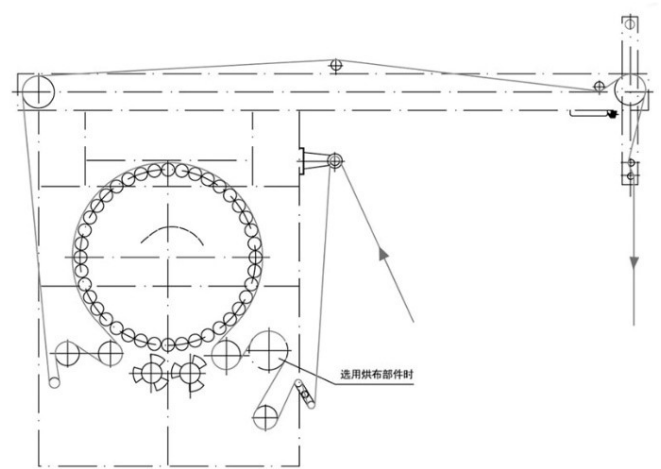
By means of this document we bring you our proposal to supply them with a high efficiency and high-quality HIGH EFFICIENCY RAISING MACHINE, suitable to raise the surface on different kind of fabrics.

The proposed equipment is made up of sections that contain the latest advances and developments coming from the permanent experimentation and research applied by in the construction of machinery.



Main specification:

- Normal width : 2000mm
- Working width : 1900mm
- Fabric speed : 10-40m/min
- Roller quantity : 36pcs
- Roller diameter : 70mm
- Drum speed : 60-90r/min
- Machine power : 42.4kw
- Power consumption : 20kw
- Fan power : 7.5kw
- Overall dimensions : 30000×6850×3000MM
(one tandem)
- Machine weight : 6800KGS (single machine)



Application:

It is mainly suitable for surface raising of all kinds of base fabric for artificial fabric, coral fleece, stand velvet, knitted micro suede, velvet brushed which require stronger raising power, and also suitable for cotton, woolen and synthetic fabrics.

In order to meet the process of various fabric, this machine adopted the function of adjustable drum speed and fabric tension in a large scope.

HIGH EFFICIENT RAISING MACHINE

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Feature:

1. Controlled by man-machine conversation and PLC, adjusted variably by inverters.
2. Drum speed, fabric speed, fabric tension, speed of raising rollers can be adjusted variably in a large scope.
3. Driving V-belt of raising rollers are controlled by pneumatic, the tension of belt can be kept constant and be adjusted variably (know-how).
4. Automatic memorization of 100 sets of presetting process programmers.
5. The function of zero start, feeding fabric automatically, trouble alarm and diagnosis.
6. It is possible to create continuous raising line or raising and shearing line, the fabric tension can be kept constant between different machines.
7. This machine is the fourth-generation product of 36 rollers, welcomed by customers from China and abroad.

Accessories:

Fan (7.5kw)	1 SET
Raising fillet (bend teeth) suitable for weft/wrap knitting fabric (artificial leather) Model: 31# from china	6 SETS
Center device at the inlet of machine	1 SET
Expanding device at the inlet of machine	1 SET
Guarding grill in the front and back of machine	1 SET

Spare parts:

Raising roller	2 SETS
Ring V-belt for raising roller	12 SETS
Bearing for raising roller	10 SETS

Electrical parts:

Inverter: Brand DANFOSS from Denmark.	
PLC: Brand SIMENS from Germany	
Contact and break: CHINT from China.	
Gear reducer: 4pcs, Brand: ZIK from China , www.zik.cn	
Touch screen: 1pc, Brand: KINCO from China, www.kinco.cn	
Air parts: from AIRTAC Taiwan (most parts)	
Motor: 3pcs , ANJIFU from China	