

MAAG BROTHERS MACHINE WORKS LTD.

SWITZERLAND

At the Swiss Textile Machinery Symposium 2016 Teheran



Presents



History of Maag Brothers Machine Works Ltd.

- Founded 1875
- Experts for fabric inspection and making up machines
- 1'500 machines working at 400 clients
- International sales and service network
- Licensee production in key markets
 - > start in Iran **2017**



History of Maag Brothers Machine Works Ltd.





Located at the lake of Zurich, Switzerland





A visit is always a great experience!



Agenda

MAAG Machines for the Iranian market

- Engineering of a modern inspection department
 - > MAAGQTex software solution

Future technology in fabric inspection



Present in the local market since 1960

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MAAG Machines for the Iranian market



PARTI



Maag Business Fields

1

Weaving

- Inspection
- High pile plating

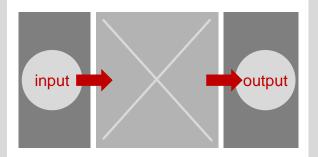
2

Final inspection and making up

- Inspection
- High pile plating
- Selvedge printing
- Packing
- Logistics
- Software

3

Winding Technology





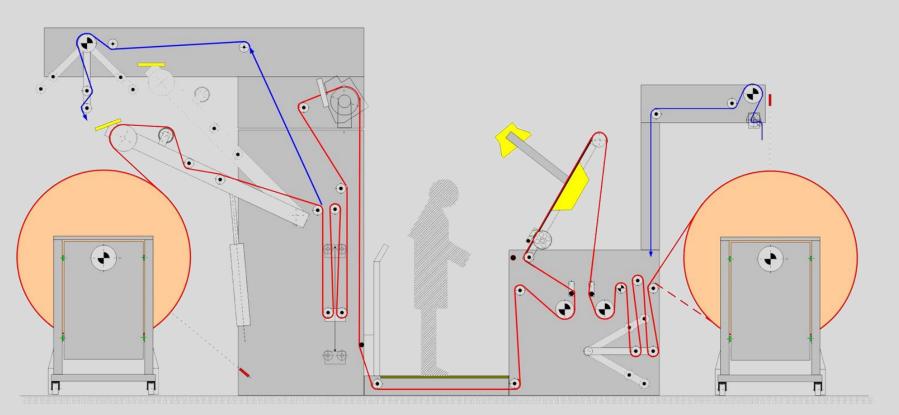




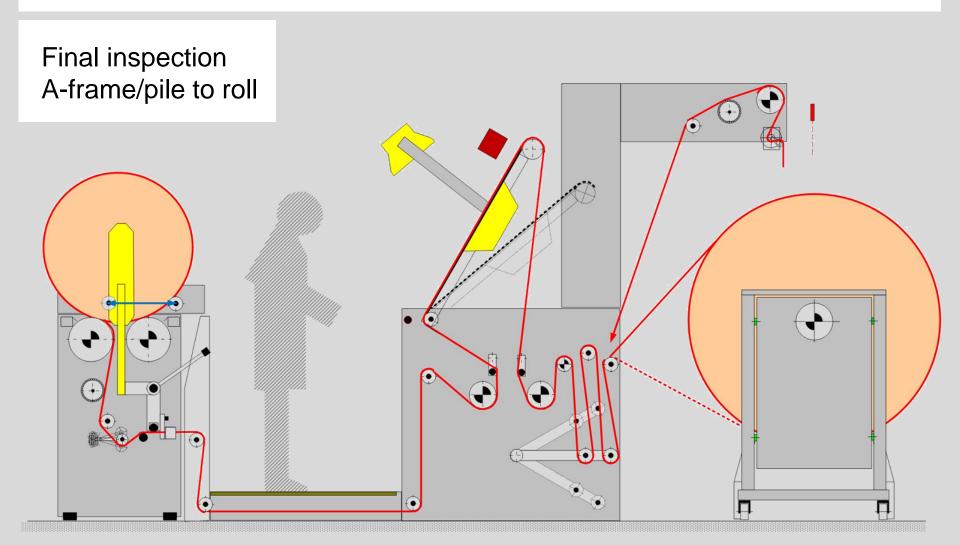
Key features:

- Adjustable for all types of woven fabrics
- From light weight to very heavy fabrics
- Many applications for technical fabrics available
- Many options for automation
- Option for length and cross cutting devices
- Bestseller over 1'000 machines sold worldwide

Intermediate inspection A-frame/pile to A-frame/pile

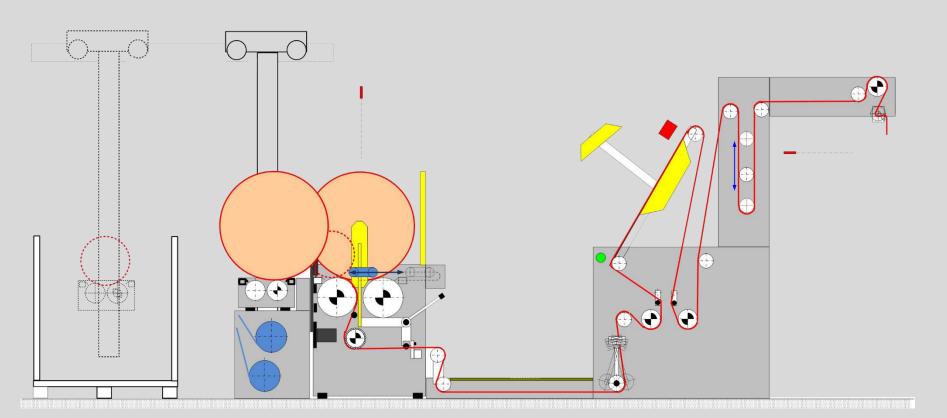








Special version with automation and cutting systems





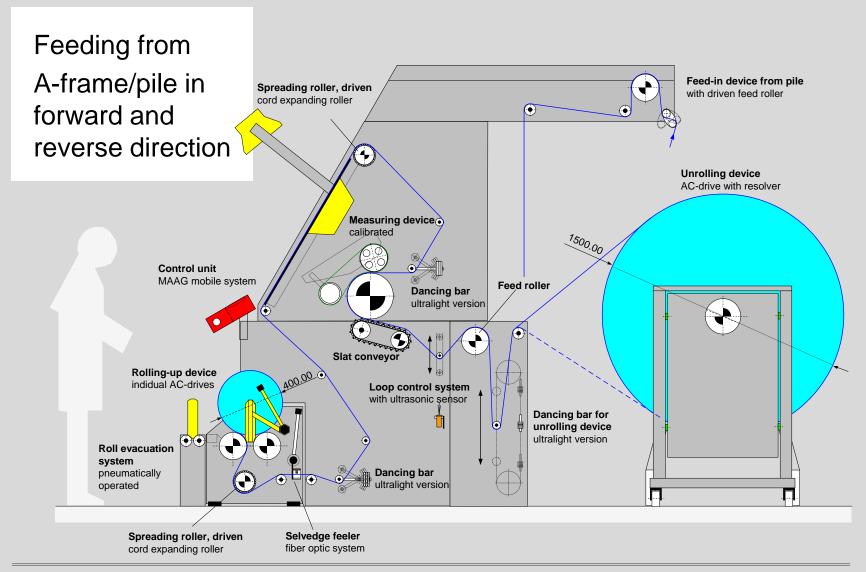
Especially for high elastic fabrics



Key features:

- Especially developed for high elastic fabrics
- Many applications for technical fabrics available (automotive fabrics)
- •European length measurement certification, accuracy ±0.5%







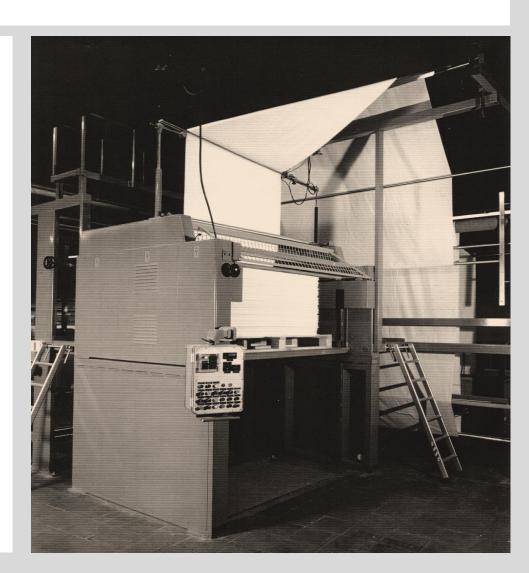
All rollers are motorized



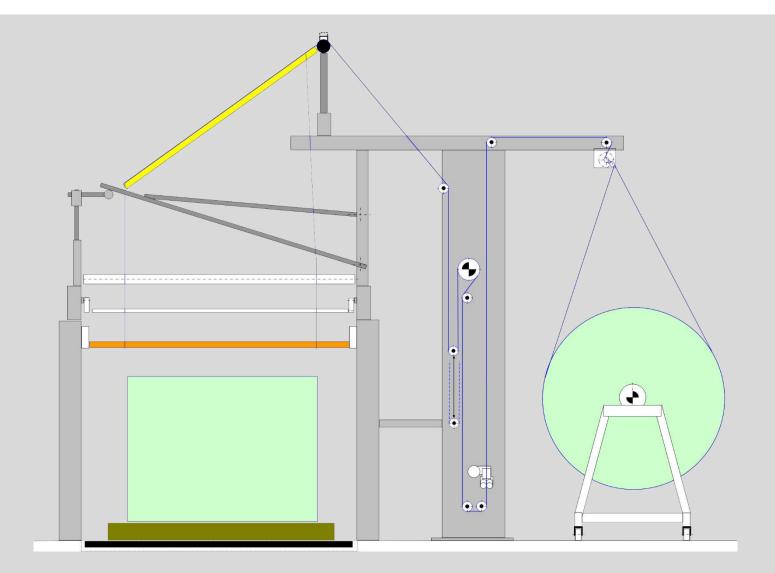


Key features:

- Calibrated layer length of 1m
- •Pile height 2m
- Fabric width up to 4m
- Layer identification
- Speed up to 80m/min.









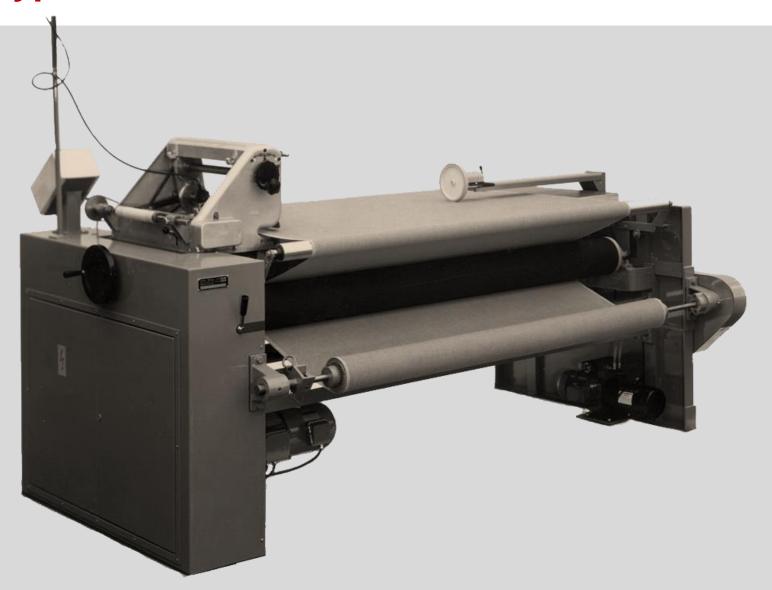










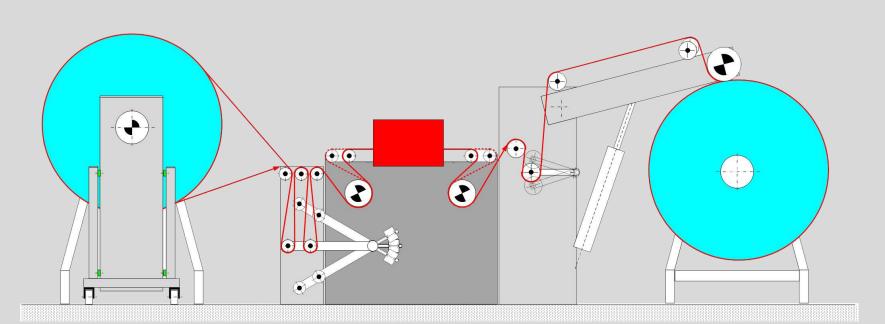




Key features:

- High quality prints even in gold or silver foil
- High working speed up to 50m/min
- Fast exchange of printing stamps
- Small consumption of transfer paper
- Sales and marketing departments just love it

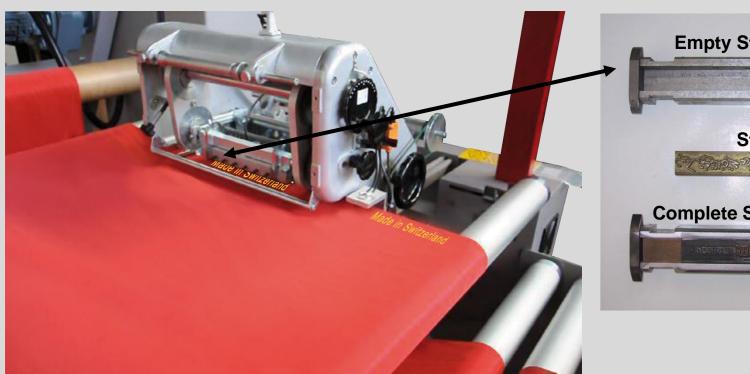
SKD A-frame to A-frame machine configuration





Detail of printing head

Easy exchangeable printing stamp holder







High quality selvedge print with gold foil

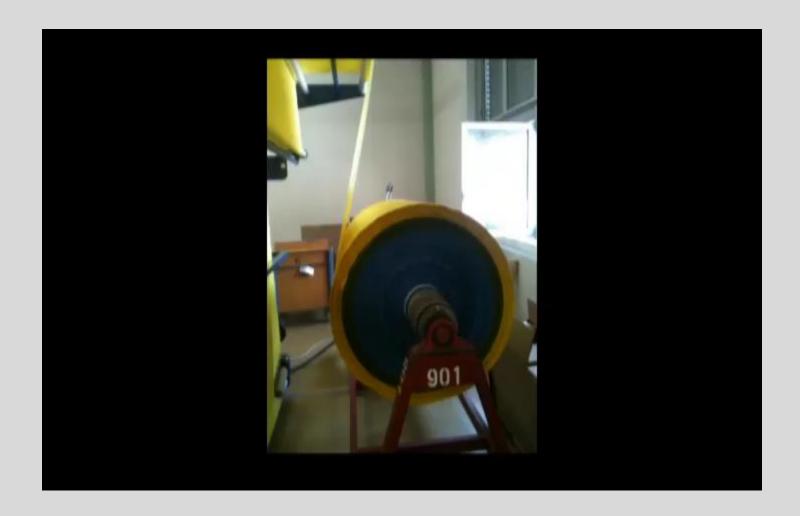








Type SKD – INLINE APPLICATION





Key features:

- Self-adapting for textile rolls of different diameter and length
- High productivity due to full automation
- Tight and perfect wrapping
- Energy saving no heat shrinking required



Longitudinal welding

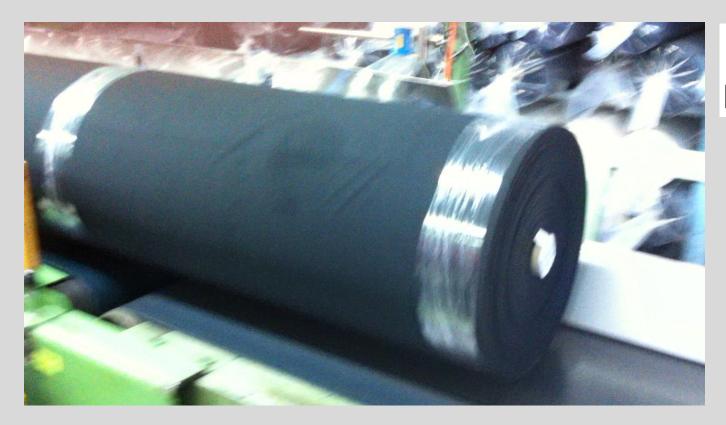


Ultrasonic welding



Pulse welding





Packing process

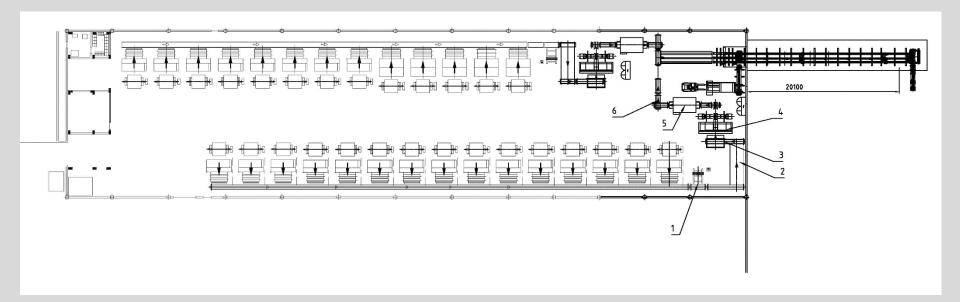




Simple roll handling after packing



MAAG INSPECTION DEPARTEMENT SOLUTIONS



We can build any layout and implement your required level of automation



Engineering of a modern inspection department

MAAGQTex software



PART II



MAAGQTex – THE INSPECTION TOOL

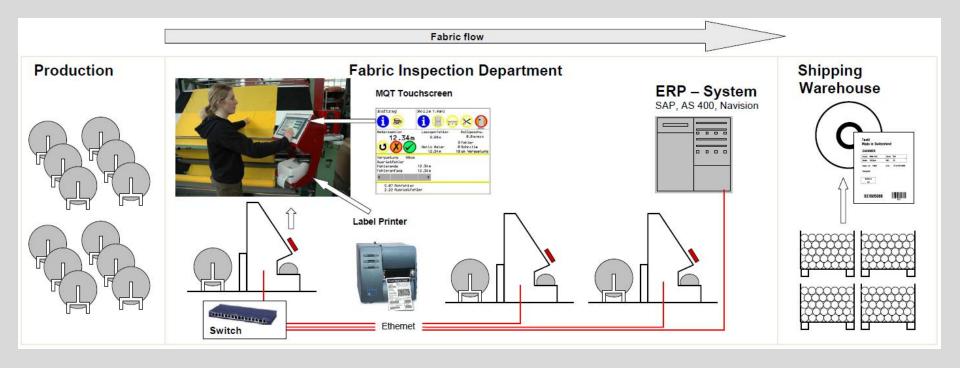
Key Features:

- Saving cost an time
 - > no manual paperwork
- Immediate feedback
 - > electronic data processing
- User friendly interface
 - > low instruction time
- High reliability
 - > industrial standard components
- Interface to any ERP





MAAGQTex – THE CONCEPT



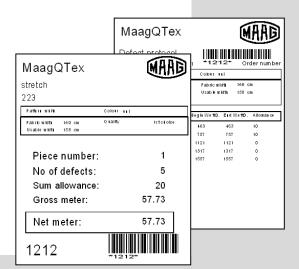
MAAGQTex – THE HUMAN-MACHINE-INTERFACE

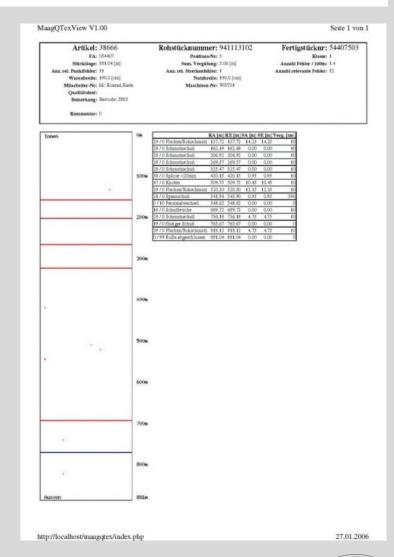
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MAAGQTex – THE LABEL / REPORTS

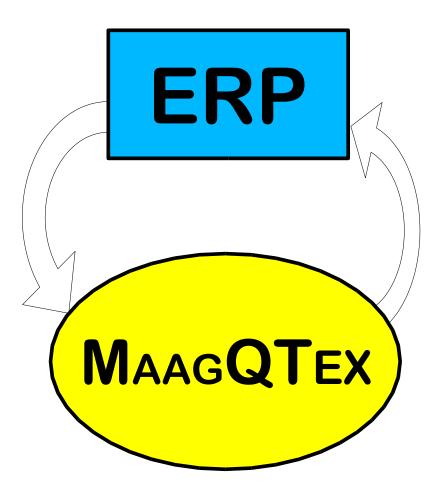
- Printed report
- Defect map
- Defect table
- Piece label
- Barcode







MAAGQTex – INTERFACE TO ERP-SOFTWARE



Import and export of production data to and from ERP-Software via standardized interfaces (CSV-files, ODBC, SQL)



Future of fabric inspection



PART III



THE PESSIMISTIC SCENARIO

Utilisation of camera-based automatic vision inspection systems

Today only 2% of the fabric production is inspected automatically!





THE OPTIMISTIC SCENARIO

The best way to handle off-quality is simply not to make it!

or

Fashion gets less picky!





THE END



Thank you!

Visit us: www.texmaag.ch

