



DRIVEN BY POSSIBILITY™

CASE STUDY



COIR MAT WEAVING LOOM DRIVE CONVERSION

END MARKET INDUSTRY

Textile

APPLICATION

Coir Mat Weaving Loom – Automatic type

PROBLEM

The customer was facing maintenance issue due to frequent re-tensioning and lubrication of roller chains, used in main & auxiliary drive of Mat Weaving Loom. This issue was causing unplanned downtime, resulting in significant production loss. Furthermore, the Roller Chain had to be changed every 6-8 months.

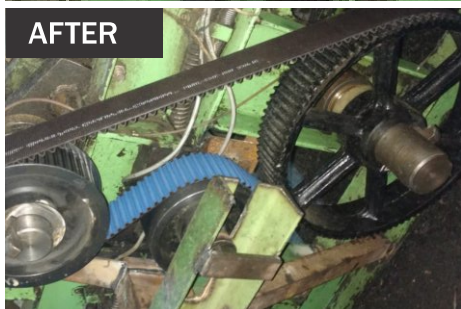
SOLUTION

After receiving the request for Risk-Free Survey and Design, Gates team visited the customer and performed an onsite survey to understand the application requirement, the system was re-designed with Gates Poly Chain Belt Drive. The re-designed system uses Poly Chain GT Carbon 14MGT belt, and respective sprockets. Gates Poly Chain offers the highest power rating and strength in this segment.

BENEFIT TO CUSTOMER

Roller chains lasts 6-8 months, while Poly Chain GT Carbon is expected to last 24 months.

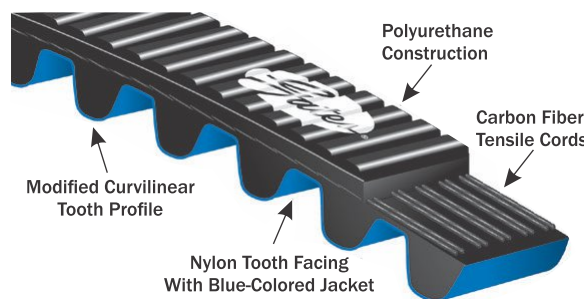
The customer will save on annual costs incurred on replacement of roller chains. The customer will also save the cost of regular maintenance services like lubrication, re-tensioning and cleaning. Improved Equipment Reliability will reduce the chances of breakdowns, thus minimizing downtime.



DRIVE COMPONENTS

PRODUCT SPECS	DRIVE 1	DRIVE 2	DRIVE 3
CHAIN SIZE	1 INCH	1.25 INCH	1 INCH
DRIVE SPROCKET	14MX-48S-50	14MX-28S-37	14MX-48S-50
DRIVEN SPROCKET	14MX-96S-50	14MX-124S-37	14MX-96S-50
POLYCHAIN BELT	2450-14MGT-50	2380-14MGT-37	2310-14MGT-50

Poly Chain® GT® Carbon™



GATES INDIA CORPORATE OFFICE:
3rd Floor, Bldg #10, Tower C, Cyber City,
Phase 2, Gurgaon, Haryana – 122002

GATES UNITTA INDIA CO. PVT. LTD.
Plot No. F 19, Sipcot Industrial Pondur A,
Sriperumbudur, Tamil Nadu - 602105

W www.gates.com
E customer.care@gates.com
F unchainyouoperations
in company/gates-india