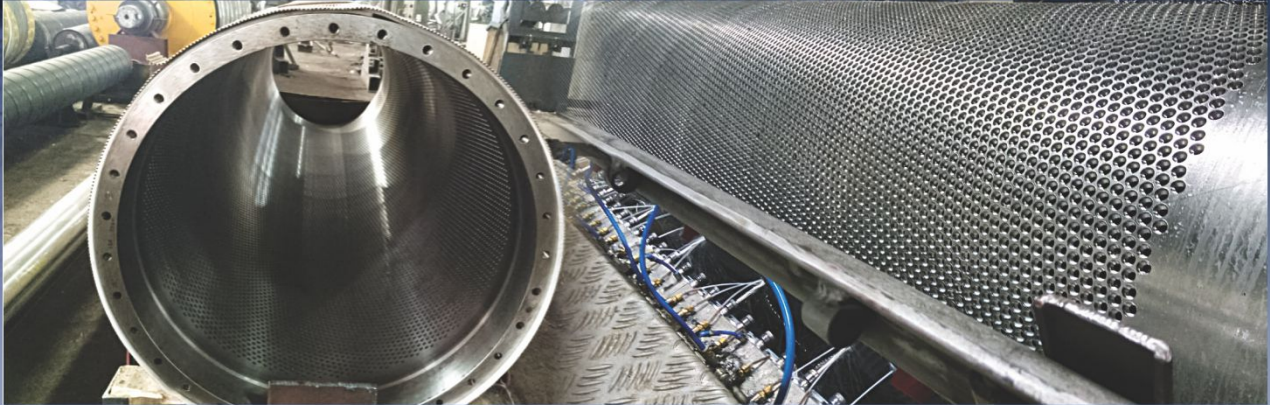




# AMAR NICHRO-SUC

The Paper Industry has in fact given a platform to technical artists and their products that are created and innovated without any influence from academic and mainstream industrial historical references. Such is the CENTRIFUGALLY CASTED AMAR NICHRO Suction Roll Shell. It's more than a technology and your window to more flexible suction roll shell selection application.



Steel manufactured from Virgin Ferro-Alloys in Ladle Melting and Refining system, results to best Austenite structure. This enables and helps in better refined and uniformly distributed molecular pattern of the alloying elements. Often the neglected elements like Nitrogen and Copper has added the strength in our shell steel composition in ultimate binding of the molecular granular structure and had resulted to 790Mpa (8055Kg/cm<sup>2</sup>) the tensile strength of the produce. The fine selection of hardness and Young' Modulus keeps the deflection of the material in the required limits.

Interestingly, AMAR NICHRO-SUC shell is drilled by gun drilling process on high speed CNC programmed multi-spindle drilling SPM. That's not to say the sophisticated SPM delivers a wide range of drilling patterns, satisfying the paper machine and mills requirements as far as the nip loads and drainage are concerned.

## **SUCTION ROLL MODERNIZATION: A Key To Success**

A suction roll modernization and improvisation can improve roll performance to the new heights and the best way to increase the paper machine performance.

These modernizations of course enhances performance as regards to improved paper quality, higher paper machine speed and enhancing servicing intervals.

Assurance after installing complete suction rolls manufactured by AMAR ELASTOMERS

- Better reliability and maintenance intervals
- Better Paper Quality

- Better Calliper Profiles for uniform drainage throughout the web width
- Better enhanced machine speeds

## **SUCTION ROLL FEATURES**

Every component of the roll is designed to maintain efficiency through specific criteria and these can be listed as:

- Selection Of Corrected Suitable Bearings
- Designing the required airflow efficiency
- Selection Of Sealing Strips & Holders
- Designing the showering system inside for flushing and lubrication
- Housing Design
- Material Of Construction along with the dimensional stability of the internal suction unit

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