

9<sup>th</sup> September, 2025

**BSE Limited**

Listing Dept./ Dept. of Corporate Services  
Phiroze Jeejeebhoy Towers  
Dalal Street  
Mumbai - 400001

**Security Code : 500101**

**Security ID : ARVIND**

**National Stock Exchange of India Limited**

Listing Dept., Exchange Plaza, 5<sup>th</sup> Floor  
Plot No. C/1, G. Block  
Bandra-Kurla Complex  
Bandra (E)  
Mumbai - 400051

**Symbol : ARVIND**

Dear Sir/Madam,

**Sub: Press Release**

Kindly find attached herewith Press Release titled "*Arvind, H&M Group, and Deven Supercriticals inaugurate India's first supercritical CO<sub>2</sub> dyeing machine, a breakthrough in sustainable textile manufacturing*".

Kindly take the same on records.

Thanking you,

**Yours faithfully,  
For Arvind Limited**

**Krunal Bhatt  
Company Secretary**

**REGISTERED OFFICE:**

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Fashioning  
Possibilities

## Media Release

### **Arvind, H&M Group, and Deven Supercriticals inaugurate India's first supercritical CO<sub>2</sub> dyeing machine, a breakthrough in sustainable textile manufacturing**

**Ahmedabad, September 09, 2025:** Arvind Limited, one of India's leading textile-to-retail conglomerates, in collaboration with leading fashion brand, H&M Group and Indian innovation start-up Deven Supercriticals Pvt. Ltd., today announced the inauguration of India's first supercritical CO<sub>2</sub> dyeing machine at Arvind's facility in Ahmedabad.

This pioneering technology, globally patented under the SUPRAUNO® brand, reduces the use of water in the fabric dyeing process by using supercritical carbon dioxide. At a commercial scale, it delivers up to 76% water savings, ~67% energy savings, and ~90% reduction in chemical usage within the coloration stage compared to conventional dyeing methods, while also significantly reducing effluent discharge.

The inauguration marks the culmination of a unique three-way partnership: Deven Supercriticals bringing cutting-edge Indian innovation, Arvind enabling large-scale industrial deployment, and H&M Group supporting the adoption of disruptive solutions in line with its sustainability ambitions. This is a first of its kind approach to enable scaling of Innovation from Lab to Bulk scale.

Speaking on the occasion, Mr. Punit Lalbhai, Vice Chairman, Arvind Ltd., said, "This inauguration represents a defining moment for the Indian textile industry. By hosting the world's first commercial-scale SUPRAUNO® machine at Arvind, we reaffirm our commitment to pioneering sustainable solutions and setting global benchmarks. This collaboration is proof that innovation, scale, and sustainability can go hand in hand."

Mr. Omang Narang, H&M Group's Production Manager for India, added: "We recognize that electrification is essential for making the textile industry fossil-free. Wet processing is the single most impactful area in the value chain for fashion brands like ours, and water- and energy-efficient technologies like this one make further electrification more feasible. We are proud that our support helps drive the entire industry forward."

Dr. Swapneshu Baser, Founder, Deven Supercriticals Pvt. Ltd., said, "We are immensely proud to see our patented SUPRAUNO® technology being inaugurated at commercial scale in India. This machine is not just a technological milestone but also a step towards safeguarding water, energy, and health for future generations. We are grateful to H&M Group and Arvind for their faith in this innovation and for making this vision a reality."

The Ministry of Textiles has also strongly supported the initiative. This milestone strongly supports the Government of India's vision of building a sustainable, circular, and globally competitive textile sector showcasing Indian innovation at the forefront of global textile transformation.

**About Arvind:**

Arvind is a textile to retail conglomerate with focus on textiles, apparels, advanced materials, environmental solutions, telecom and Omni-channel commerce. Arvind Limited is an integrated solutions provider in textiles with strong fiber to fashion capabilities for a global customer base. It is also a design powerhouse implementing innovative concepts and generating intellectual property. It ranks amongst the top suppliers of fabric worldwide. The company strives every day to create opportunities beyond conventional boundaries and believes that the possibilities are endless.

**About H&M Group:**

H & M HENNES & MAURITZ AB (PUBL) was founded in Sweden in 1947 and is listed on Nasdaq Stockholm. H&M's business idea is to offer fashion and quality at the best price in a sustainable way. The group's brands are H&M (including H&M HOME, H&M Move and H&M Beauty), COS, Weekday (including Cheap Monday and Monki), & Other Stories, ARKET, Singular Society and Sellypy. The group also includes several ventures. For further information, visit [hmgroup.com](http://hmgroup.com).

**About Deven Supercriticals:**

Deven Supercriticals, is an innovation driven company dedicated to state-of-the-art Supercritical Fluid (SCF) technology, leading for more than 2 decades. Deven's flagship innovation, SUPRAUNO®, is a globally patented, waterless dyeing technology that transforms textile manufacturing using supercritical CO<sub>2</sub> as the medium instead of water. It's the first in the world to enable the use of conventional dyes and tri-chrome recipes in supercritical CO<sub>2</sub>, dyeing a wide range of fabrics—Cotton, Polyester, Nylon, Viscose, Silk, Linen, Acrylic, and their blends. SUPRAUNO® eliminates the need for salt in cotton dyeing and reduction clearing in polyester, cuts auxiliary chemical use by up to 90%, and reduces dyeing batch times—cutting energy loads by 67% and water usage by 76%.

For more information, please contact:

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