



5. HNR Johnson's Iluzio range offers unique 4D flushing system, water-saving features, and has a titanium embedded glazing for stain resistance.

6. Pankaj Sharma, president - Bath & Kitchen, HNR Johnson.

7. Maurizio Meloda, Technical & Operations director, Graff.

8. RE Ranganathan, MD, Roca Bathroom Products.

9. Graff's MOD+ faucets can be personalised with 17 finishes and handle covers in marble, Smokey White, Storm Black or Green Forest marble.

10. By integrating the sink and WC in the W+W collection, Roca offers a water-saving solution.

11. Spario by Ark has edge free interiors that prevent turbulence in the water flow.

highly intuitive system even learns the user's lifestyle and creates countless shower scenarios through its smartphone app. Hot, cold, quick and relaxing, the SmarTap app lets consumers define countless bathing scenarios tailored to their preferences, each one with a personal user profile.

Vitra offers various technologically-driven components like AquaTouch mixer that turns the water on and off with a single touch. It also ensures water flow at any time that one requires, and uses water and energy efficiently. "We also offer AqualHeat technology which serves to create a safe bathroom for your family. These thermostatic bath and shower mixers aim to protect you and all your family members against unexpected accidents in the bathroom," mentions Yagiz.

SPOUTED PERFECTION

Modern bath fixtures are more than just impeccable forms; they are products of result-oriented manufacturing processes. Shukla explains how from mould making, casting, grinding, polishing, electroplating and, finally, testing and assembly, fully-integrated manufacturing plants ensure the highest quality standards. "Our products are tested on equipment like a salt spray corrosion testing chamber; Fisherscope X-ray machines for thickness testing; lifecycle testing machines; acoustic, noise level testing machines; and semi-automatic flow rate testing machines," he elaborates. This is a compelling reason in favour of the organised market, where luxury and durability are intrinsic characteristics of both products.

In terms of finishes, the last couple of years has been about experimenting with new finishes and new colours. "In response to this market request, Graff has expanded its portfolio to more than 20 finishes – from new powder-coating colours to natural brass textures. Also, new materials have been employed in the design of the bathroom fixtures," shares Meloda. MOD+, Graff's newest faucet collection, comes in 17 finished brass



handles, with the possibility to personalise the handle covers with three precious marbles: Smokey White marble, Storm Black marble and Green Forest marble.

In terms of durability and aesthetics, PVD is definitely the recommended solution. Meloda suggests, "PVD (Physical Vapor Deposition) is an innovative surface-coating process which allows one to obtain a very high level of surface hardness, as well as unparalleled resistance to atmospheric agents and house detergents."

The use of technology represents one of the most innovative traits of modern bath solutions, specifically in faucets. Graff's AMETIS washbasin mixers, for example, feature an LED ring that turns blue when the running water is cold... and gradually switches to red as the water warms up. "This mechanism allows the user to keep the water temperature under control, and to avoid an unnecessary waste of energy as well as prevent accidental burns," explains the director. The LED ring is powered by an internal dynamo and does not use any electric power generator.

The Spario range of faucets by Ark is another excellent example where design and geometrical form create a fascinating product range. Using the concept of "least obstructionism", the cavities of the faucets are shaped as circular pathways – thereby offering least resistance and impediments to the flow of water. The forces of friction within the layers of water as well

