Crushing and grinding machine developed in Oman launched

Our Correspondent
Muscat

A new portable crushing and grinding machine, an innovation that will help the industrial sector, was launched on Monday under the patronage of H E Eng Ali bin Masoud bin Ali al Sunaidy, Minister of Commerce and Industry, at Crowne Plaza Muscat.

Kamla al Aufi, chairman of World of Natural Stones, said, “This event was not just a launch of the machine, but also a celebration of an Omani innovation that resulted due to a collaboration between the World of Natural Stones, IIC and CCE.”

The machine, which is now fully operational and is being used by the World of Natural Stones on a daily basis, was made by the Industrial Innovation Centre (IIC) in collaboration with the Caledonian College of Engineering (CCE).

Dr Ahmed Hassan al Bulushi, acting dean of CCE, addressing the audience, Abdullah al Zakwani, executive director, IIC, said, “We all know there are a lot of crushing and grinding machines that are available internationally. However, they are very big in size and require large spaces. They are quite expensive. The highlight of this crushing and grinding machine is its size. The machine has been designed by researchers at CCE without compromising on its functions. This machine has the power to crush granite and marble and some of the hardest compounds in the world.

“It will not only help World of Natural Stones reap financial benefits, but will also help it create a greener factory, which will reduce the amount of waste generated.”

The machine is also being seen as useful for marble and granite factories, both in Oman and across the world, who face the problem of disposing of waste. It will also be of interest to those involved in local handicraft, gardening, landscaping, interior design, adhesive and jewellery industries, especially SMEs.
Innovative grinding machine unveiled

By A Staff Reporter

MUSCAT — A crushing grinding machine, developed by the Industrial Innovation Centre (IIC), Caledonian College of Engineering in collaboration with the World of Natural Stones was unveiled under the auspices of Dr Ali bin Masoud al Sunaidy, Minister of Commerce and Industry, at the Crowne Plaza Hotel yesterday.

The unique, small, portable crushing grinding machine is now fully operational and is being used by the World of Natural Stones on a daily basis. The machine takes waste off-cuts into two forms; small pebbles and powder. Although industrial crushers and grinders exist on a large scale, there are no small scale machines available on the international market.

On his side, Hilal bin Hamad al Hasani, CEO of the Public Establishment for Industrial Estates (PEIE), to which IIC pertains, stated, “This unveiling verifies the objectives of the centre, which comprise developing sustainable models for creating an innovative culture within the industrial sector of the country, building a knowledge-rich culture within the industrial sector in Oman through highlighting mutual benefits of collaboration with the research community, activating connections between industrial and academic communities, which eventually develops Oman’s industry through Research and Development (R&D), among others.”

Al Hasani added, “PEIE has designed a future plan for the expansion of the Industrial Innovation Centre in the various industrial estates that fall under the umbrella of PEIE across the Sultanate. Since its inception in 2009 in partnership with The Research Council (TRC), the IIC supports the industrial projects in Oman and links them with local, regional and international research centres to reinforce cooperation in the development of industries and find ways to promote a culture of innovation.”

Addressing the audience, Abdullah al Zakwani, Executive Director of IIC, underscored, “Many of the Industrial Innovation Centre’s projects use incremental innovation as a means to help improve a small or medium-sized company. Incremental innovation is not about making huge sweeping changes.”

“On the contrary, firms that innovate incrementally tend to do so just a little bit at a time. Incremental innovation is generally a modification or change of an existing product where the main goal is to improve functionality and lower costs.”

He further added that the crushing grinding machine is a perfect example of incremental innovation. Crushing and grinding machines are not new. We all know that crushing grinding machines are internationally available. However, they tend to be enormous in size. They are physically bulky and they require a huge amount of space. They are expensive to purchase, besides, they consume vast amounts of marble and granite and have an appetite too large to be satiated from the waste that is generated by small companies.

Therefore, the innovative feature of this crushing and grinding machine is the size. Designed with portability in mind, the researchers at the Caledonian College of Engineering have created a small machine without compromising functionality.

This machine still has the power and strength required to crush granite and marble, some of the hardest compounds in the world.
مركز الابتكار الصناعي يدشن آلية إعادة تدوير الرخام

التعليمي: شركة عالم الأبحاث الطبيعية ومركز الابتكار الصناعي وأكاديمية الهندسة

توافق على إعداد آلية إعادة تدوير الرخام

الموضوع: دعم المبادرات العقارية وتحسين ENVIRONMENT

شراكة داعمة للابتكار

من خلال هذا التعاون، يتم إعداد آلية إعادة تدوير الرخام، والتي تهدف إلى تحسين ENVIRONMENT وتوفير موارد إضافية. تشمل هذه البداية عدة مراحل، حيث يتم استخدام الرخام المحترق في عمليات إعادة تدوير الرخام، من أجل تحويله إلى مادة تستخدم في صناعة المنشآت الصناعية. كما تشمل هذه البداية أيضًا تحسين ENVIRONMENT وتوفير موارد إضافية.

هذا المشروع يهدف إلى تعزيز التعاون بين الأكاديمية وأكاديمية الهندسة، حيث يتم تعزيز ذلك التعاون من خلال هذه البداية. كما يتم تعزيز التعاون بين الأكاديمية وأكاديمية الهندسة من خلال هذا المشروع، حيث يتم تعزيز ذلك التعاون من خلال هذه البداية. كما يتم تعزيز التعاون بين الأكاديمية وأكاديمية الهندسة من خلال هذا المشروع، حيث يتم تعزيز ذلك التعاون من خلال هذه البداية.

يرجى ملاحظة أن هذا المشروع يهدف إلى تعزيز التعاون بين الأكاديمية وأكاديمية الهندسة، حيث يتم تعزيز ذلك التعاون من خلال هذه البداية. كما يتم تعزيز التعاون بين الأكاديمية وأكاديمية الهندسة من خلال هذا المشروع، حيث يتم تعزيز ذلك التعاون من خلال هذه البداية. كما يتم تعزيز التعاون بين الأكاديمية وأكاديمية الهندسة من خلال هذا المشروع، حيث يتم تعزيز ذلك التعاون من خلال هذه البداية.