



## Your Future in Good Hands



Sandvik Coromant does not create depletion of natural resources and truly use less energy and materials for the production cycle (electricity, natural gas, water) resulting in lower CO2 emissions in to the environment.

Sandvik Coromant has long been an advocate of environmental sustainability in the manufacturing industry. The main challenge in proposing a new approach to waste of worn out machining tools was training customers into a cultural change.



Now Sandvik Coromant and their customer would work in collaboration to create a product lifecycle with the least possible impact against the environment and society. Another aspect to be emphasized is also relating to acoustic pollution, i.e. the noise that the process of extraction and production of this mineral entails.

### Benefits speak for themselves:

Sandvik Coromant's goal is, "Together, we can do our part to promote more sustainable Manufacturing Processes. The company has created an innovative form of relationship between supplier and customer, based on the environmental aspects of the recovery, with the guarantee for the customer and society at large for the absolute conviction of total compliance to the legal aspect of the lifecycle of the product".

Moreover, this solution results in simplification of work organization by the customer with decrease of time and costs of waste management. Under the social point of view,

## Recycle ..... for sake of environment:

Sandvik Coromant has been present in India since 1960 with its headquarters in Pune and has operated successfully by maintaining good relationships with the socio-environmental context in which it has set its roots.



Sandvik coromant's objective is to decrease the extraction of raw materials from the ground and avoid use of energy to extract and process the rocks that contain the mineral needed to produce

the cutting tools. This is an extremely complex and energy-consuming process, which also causes emissions in to the environment, water consumption, and production of more waste.

When the company pursues a long-term strategy for profitable growth, it also shows great commitment towards environment by successfully implementing Sandvik Coromant's Carbide Recycling Concept (CRC).

Carbide Recycling Concept (CRC), is a unique service of collecting used carbide inserts and round tools to recycle them in most environmental friendly way at Sandvik's Chiplun plant in India.

Sandvik's Recycling Plant at Chiplun, Konkan



On this background of increasing consumption of non-renewable raw materials, the economic management of dwindling resources is a duty owed by all manufacturers, in 2005 Sandvik has established carbide recycling plant at Chiplun, on the Konkan coast, to recover precious metals like cobalt and tungsten, from cemented carbide inserts and other solid carbides in the most possible environment friendly way. The production facility is certified according to both ISO 14001 and OHSAS 18001.

**Till last year (2012) the plant has recycled 2300 tons of carbide which includes all grades: Inserts, mining, wear parts and drills**

### Creating awareness, creating value:

After setting up the plant and process, it was a challenge to create the awareness among all the users. As a solution to this challenge,



Sandvik Coromant created unique business proposal of buying the worn-out cutting tools at fair price, packing it in recyclable containers and shipping it back to the recycling center. After the completion of this of the process, Certificate is issued which is credible document for ISO certifications. This whole process takes place just by making one call or

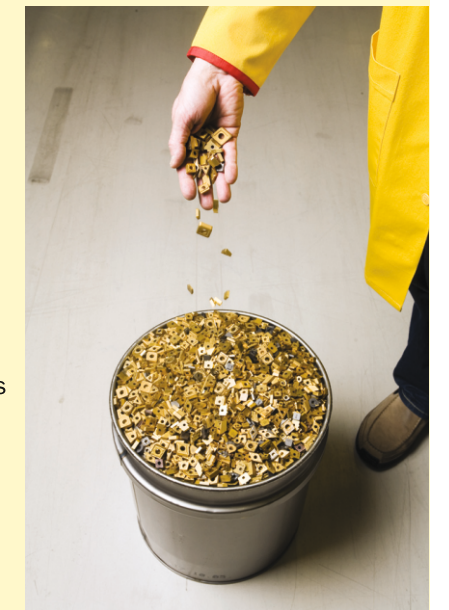
sending one business reply card to Sandvik Coromant.

To promote this concept the sale force is trained accordingly to talk to customers to help them to realize the value in recycling with the help of different communication materials like advertisements with business reply cards in different magazines, banners, posters and different articles, recycling container display at various exhibitions and events successfully created awareness about Carbide Recycling Concept in the market.

### The Win-Win situation:

The company sees recycling not just as a benefit for the environment, but as an added business opportunity for its customers. The company looks at carbide recycling in the context of the customer's value chain from R&D through production logistics.

The customer can incorporate recycling into various processes from the dispensing of carbide inserts, their use in production, collection, recycling and then use that money to purchase new inserts or to finance new tooling projects. Customer is coached to realize the usefulness of recovery of a product with high technological content, which requires important raw materials, expensive and rare. The recovery process and renewed product formation using 100% of recovered product needs approximately 50% of the energy compared to a normal production cycle that starts from extraction of such metal.



The concept of recycling has moved beyond the obvious environmental benefits and has taken on added dimension in the modern world. Also, such practice results in business opportunities beyond just the environment.

**Recycling is a culture at Sandvik Coromant, right from use of waste water for gardens, to the use of recyclable product packaging and recyclable paper for all publications and most of important of all its Carbide recycling concept (CRC) which is a living proof that we can do business even looking at the environment, and the internal cultural set-up based on shared corporate values. This concept is playing prominent role in not only taking care and protecting environment but also in shaping up a very different and innovative business.**

### Company profile:

Sandvik is a global industrial group with advanced products and world-leading positions in selected areas – tools for metal cutting, equipment and tools for the mining and construction industries, stainless materials, special alloys, metallic and ceramic resistance materials as well as process systems. The Group has about 49,000 employees and representation in 130 countries.



Sandvik Coromant is one of the business areas of Sandvik Machining Solutions within Sandvik group. Sandvik Coromant is the world's leading supplier of tools, tooling solutions and know-how to the metalworking industry. With extensive investments in Research and development to create unique innovations and set new productivity standards together with their customers. These include the world's major automotive, aerospace and energy industries.

Sandvik Coromant's Eco-Garden at Pune Plant