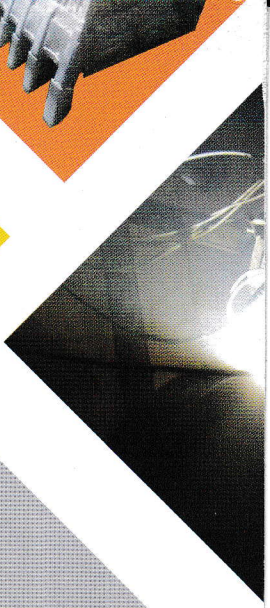
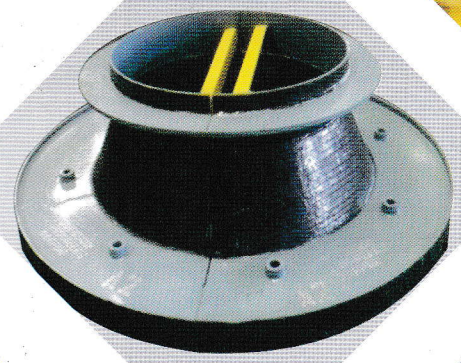
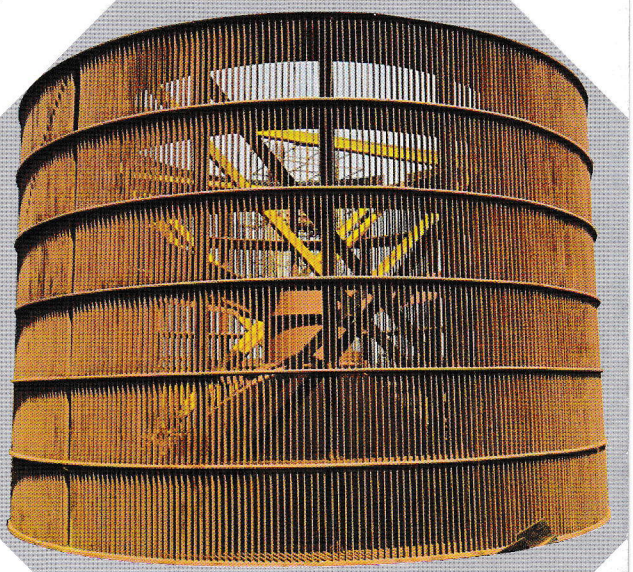
DIFFUSION
Innovative superconditioning solutions







Total solution to your machine's Wear & Tear Problems

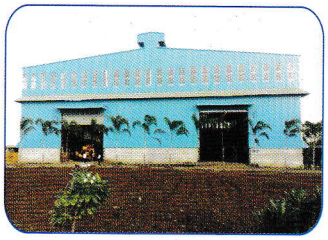
DIFFUSION'S
WELD OVERLAY WEAR PLATES & SERVICE WELDING

WELD OVERLAY WEAR PLATES

Unit I
Anti Wear
Division

Unit II
Supaerconditioning
Division

Unit III
Diffcoar
Division



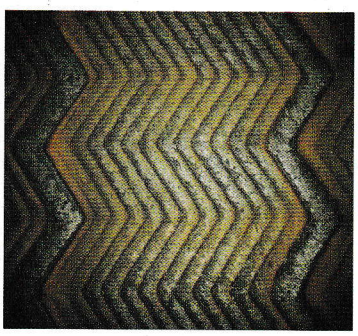
Unit IV
Heavy Engineering
Division

Do you know what's the underlying secret of our overlay plates?

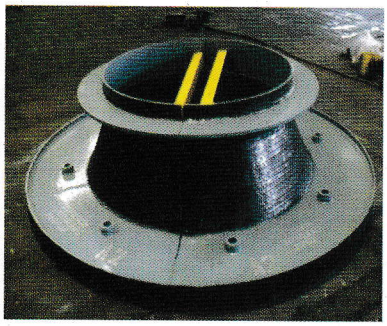
Our Weld Overlay Wear Plates are manufactured under stringent conditions in our plant, using flux cored wire welding process. The flux cored wires required, are manufactured by Diffusion itself at its high technology production unit.

The formulations of various types of flux cored wires used for a comprehensive range of wear plates are carefully designed to give a weld metal overlay of such composition and microstructure that would provide extra long service life under a variety of harsh service conditions involving high stress abrasion, erosion, corrosion and impact as well as elevated temperature.

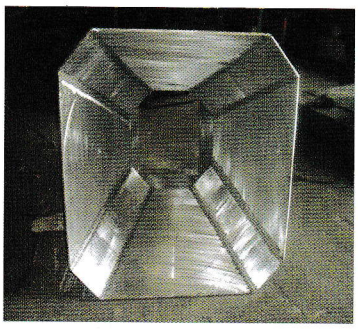
Straight Bead Wear
Resistant Plate



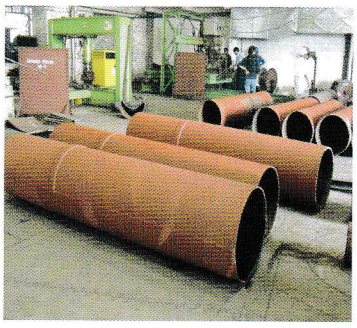
Zig Zag Bead Wear
Resistant Plate



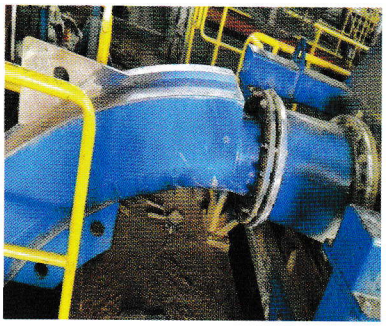
Hard Faced Bell Housing



Wear Resistant
Gypsum Hopper



Internally Hard Faced Pipes



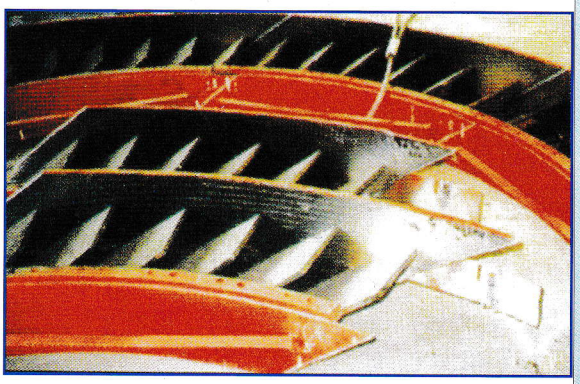
Internally Hard Faced Bends

SERVICE WELDING

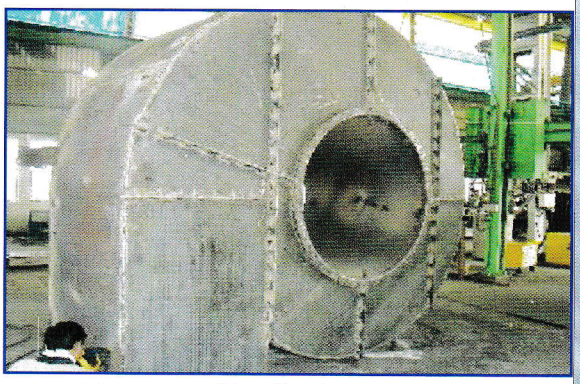
Do you know that, the wear & tear problems that surface in your machinery can be effectively combatted by service welding?

Diffusion Engineers Limited is a leading specialist in the manufacture of new generation material that gives greater service life to parts and equipment at highly economical costs.

Incorporated in the year 1982, Diffusion Engineers Limited is ISO 9001 certified company which has introduced the revolutionary concept of superconditioning through a series of maintenance products that provide a new lease of life to engineering components and minimise scrap heaps of metal parts.



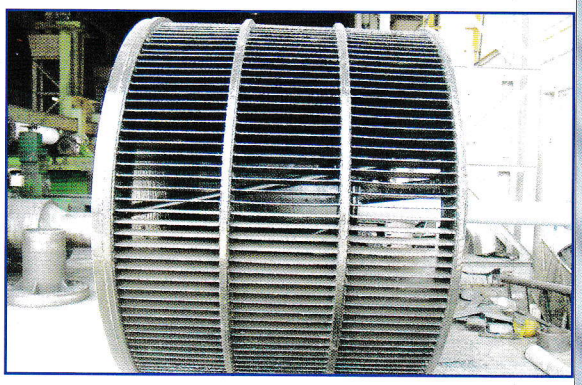
Louvre Ring Segments



Fan Casing

Some of the most important and successful components superconditioned by Diffusion are :

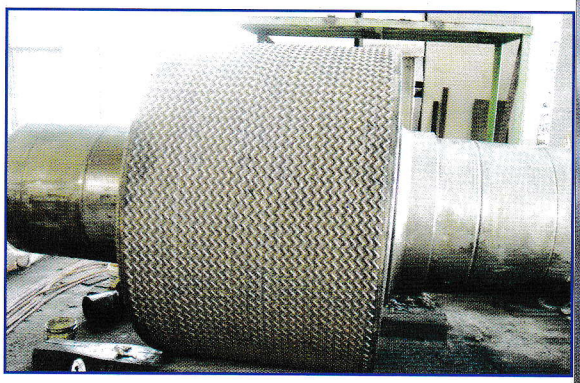
■ Roller press rollers of Cement Industries ■ Pump Sleeves and Plungers ■ Rotary and Discharge Chutes ■ Mill Pinions ■ ID Fans ■ JawCrushes ■ FK Pump Screws ■ Guide Vanes etc.



Cage Wheel

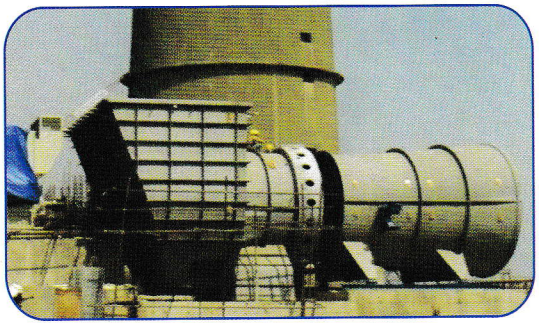
Diffusion manufactures pre - coated and antiwear industrial Components, some of which are importsubstitutes for industries like:

■ Nuclear ■ power ■ Sugar ■ Mining ■ Cement ■ Iron ore Pelletisation ■ Steel ■ Paper ■ Sponge Iron ■ General Engineering.

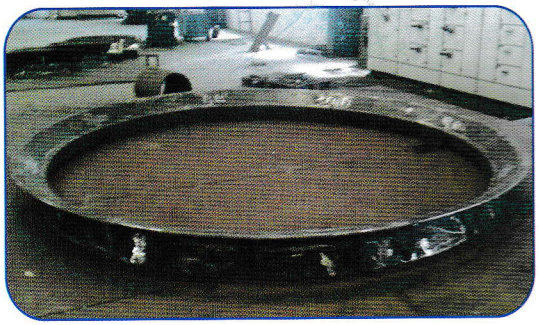


Roller Press Roller

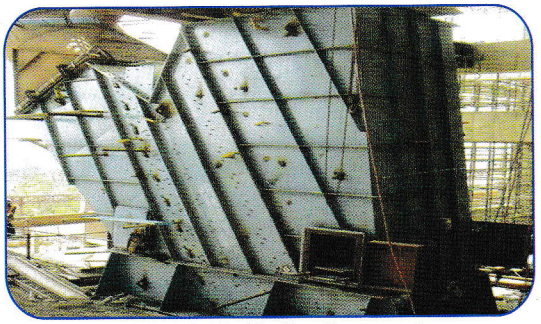
HEAVY ENGINEERING



ID Fan Casting in Power Plant



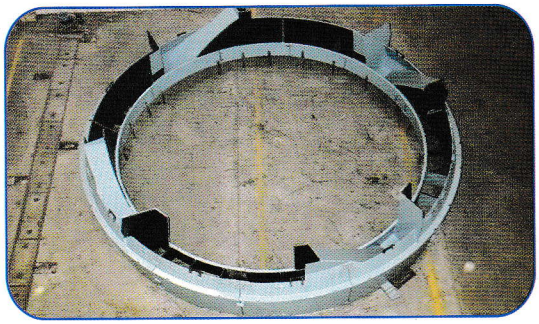
Armour Ring



RPGS 2240 Static Separator

SKS Separator

Inside Hard faced Inlet Cone



Nozzle Ring

DIFFUSION
Innovative superconditioning solutions

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Secunderabad - 8886447749
Vadodara - 9099903739

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