



Sandip Bhuvra, Chief Executive Officer, Rajoo Bausano Extrusion Pvt Ltd

“WPC can change the dynamics of both wood and plastic industry”

By Gaurang Damor

...says Sandip Bhuvra, Chief Executive Officer, Rajoo Bausano Extrusion Pvt Ltd. In an exclusive chat, he emphasizes on the need to impart awareness regarding wood plastic composites (WPCs) and how it can change the dynamics of both wood and plastic industries.

Share a brief profile of Rajoo Bausano with us.

Rajoo Bausano Extrusion Pvt Ltd is a joint venture between Rajoo Engineers Ltd of Rajkot, India and Italy based Bausano & Figli SpA. The Italian partner of this JV was established in 1946 and has 68 years of rich experience in plastics processing machinery. It was the first company in the world to have developed the counter rotating twin screw extruder for WPC and polyvinyl chloride (PVC) pipe plants. Its state of the art manufacturing facilities are located at Rivarolo in Italy, Sao Paulo in Brazil and now in India!

How the WPC is produced?

WPC is produced by thoroughly mixing ground wood or similar particles and heated thermoplastic resin. The most common method of production is to extrude the material into the desired shape. WPC may be produced from either virgin or recycled thermoplastics including HDPE, LDPE, PVC, PP, ABS, PS, and PLA. Polyethylene based WPCs are by far the most common. Additives such as colorants, coupling agents, UV stabilizers, blowing agents, foaming agents, and lubricants help tailor the end product to the target area of application. Extruded WPC is formed into both solid and hollow profiles.

How is the WPC perceived in India and what changes the industry requires?

WPC material is still far from being fully understood as an alternative for both manufacturers and consumers. WPC product would change the dynamics of wood and plastic industries both due to its cost effectiveness, lightweight and termite proof properties.