Continuous Bulkling & Heat Setting Machine for Carpet Yarn

We at Meera are specializing in yarn winding technologies developed one by one different machines used for various applications pioneered in offering carpet yarn manufacturing machines today. In continuation to this process, the market demanded us to develop continuous yarn bulkling and heat setting machine.

We are offering machine with the following technical specifications:

- **Yarn Type**: Polyester, Nylon, Polypropylene, Acrylic, Wool etc.
- **No. of Heads**: Up to 64
- **No. of Setting Channel**: 4 or 8
- **Yarn Speed**: Up to 400 RPM
- **Production**: Up to 6 tons per day
- **Heat Setting Process**: Overheated steam process up to 190 degrees.
- **Supply Cred**: Complied with two package, stand for transfer and yarn creel collector.
- **Ceiling Head**: Ceiling head to lay yarn on conveyor belt for drying chamber.
- **Converter Roll**: Tailor-coated yarn transport belt driven by PLC controlled speed motor to vary speed from 40 to 100 meters.
- **Climate Chamber**: Heat setting chamber having temperature as well as humidity control to set required yarn bulk and heat setting of yarn.
- **Yarn Dryer**: Yarn cooling area after heat setting of yarn to drop the yarn at room temperature.
- **Yarn Splitting**: Three bundles of 10 ends get separated after cooling for final winding of yarn in individual packages ready for use.
- **Final Washer**: Take up winder to build final package of yarn, which is dried and heat set ready for selling carpet up to capacity of 4 kg.
- **Electricals & Electronics**: Complete control of heat set process is done by PLC controller, yarn sensing, yarn speed, dwell time, chamber temperature, yarn speed at take up in synchronizing ways to achieve desired uniform yarn bulkling and heat setting.
- **Over All Dimensions**: Space requirement of the machine of 14 feet width by 105 feet long from yarn feeding to final winding.

![Image of machine and setup](attachment:image.png)