

REMARKS ABOUT THE WOODY STRINGER

Each Woody Stringer is custom designed and built to the requirements of the customer. The Stringer can be built any size and to suit nearly any speed production line. The design of the Stringer is based on the requirements of the product to be decorated. A few important features of the Stringer are as follows:

1. POSSIBLE DECORATIONS

The decorative patterns achievable with the Stringer is almost limitless. Some patterns are shown on our color brochure and a description of the possible patterns is outlined on a separate sheet titled *Woody Stringer Decorations*. Only some of the designs are shown because with some creative thought the variations on the designs are nearly limitless.

2. HEAVY DUTY CONSTRUCTION

If production requirements demand a robust unit that is designed for long production runs we recommend a Stringer be built with heavy duty construction. Many bakeries prefer the heavy duty construction because everything is made stronger for longer life and even greater reliability.

On the heavy duty Stringer, the small ball joints are replaced with heavier rod ends, which do not wear as quickly as the ball joints do at high speeds. The rods and linkages are made of thicker stainless steel rod for greater strength. The nozzle drive motor is also made considerably stronger with a heavier gearbox for high speed continuous use. Finally, the motor driven strainer and nozzle tube are made from larger material for a better product flow on higher speed production lines. Everything is mounted to our heaviest five inch wide (127mm) frame for the greatest strength.

The speed range for the heavy duty Stringer can be 20 to 250 or 30 to 500 cycles per minute. If needed, we can also make special heavy duty Stringers for even higher speeds.

3. SELF-CLEANING OPERATION

The Stringer is designed to be self-cleaning. Each Woody Stringer is equipped with a motor driven strainer that cleans the decorating material before it reaches the nozzle tube. This ensures broken centers and other hard particles do not reach the nozzle tube. On most Stringers the nozzle tube is a simple stainless steel tube with outlets (holes) drilled where needed. In most cases the decorating material flows without stopping and without the need for an internal nozzle cleaning system. However, there are some materials that require mechanical cleaning and for these we can supply our self-purging (self-cleaning) nozzle tube.

4. SELF-PURGING NOZZLE TUBE

The Woody Stringer can be equipped with a self-purging (self-cleaning) nozzle tube. The self-purging nozzle tube is custom designed for the application and has a simple internal pin cleaning device to purge or push out any blockages in the outlets. The system works very well with soft contamination like cake or doughnut crumbs and with decorating materials that build up over time eventually closing the outlet.

The self-purging nozzle tube has also been very useful with formerly difficult decorating materials that contain additives to help harden the material when it stops moving. The self-purging nozzle tube not only cleans the outlets in the nozzle tube ensuring consistent flow, but it also provides a mixing action inside of the nozzle tube. The self-purging nozzle tube can be added to any new Stringer.