



FIGURE 8.21 Fluid bed coating of solid particles. **A:** Top spray. **B:** Bottom spray (Wurster). **C:** Tangential spray. (Courtesy of Glatt Air Techniques.)

up, sized, and lubricated, and tablets are prepared by compression in the usual manner. The *roller compaction* method is often preferred to slugging. Binding agents used in roller compaction formulations include methylcellulose or hydroxy methylcellulose (6% to 12%), which can produce good tablet hardness and friability (16).

Tableting of Granulation

There are a number of types of tablet presses or tableting machines, each varying in productivity but similar in basic function and operation. They all compress a tablet formulation within a steel die cavity by the pressure exerted by the movement of two steel



FIGURE 8.22 Microwave vacuum processing in which tablet ingredients are dry mixed, wetted with a binding liquid, and dried by vacuum and microwave in a single piece of equipment. (Courtesy of GEI Processing.)



FIGURE 8.23 Frewitt Oscillator or Fitz Mill used to pulverize or granulate. (Courtesy of Eli Lilly and Company.)