

Figure 13.13 The Sollich Solltemper MST-V.

Carle and Montanari: A wide range of tempering machines have been produced. These started with the “Tan” worm screw types, followed by the “BETA” stacked plate type temperer and a very novel design, the “ τ ” (“Tau”) intensive shear machine (Figure 13.15) which was introduced in 1996.

This machine was designed to be opened like a clam shell. The intention of the designers was not only to allow easy clean out, but also to follow the theories related to relatively high shear tempering. The “ τ ” *Tempering Machine*, as can be seen in Figure 13.15, is made up of two circular bodies, both of which present a corrugated surface, forming a series of concentric round chambers. The profile of

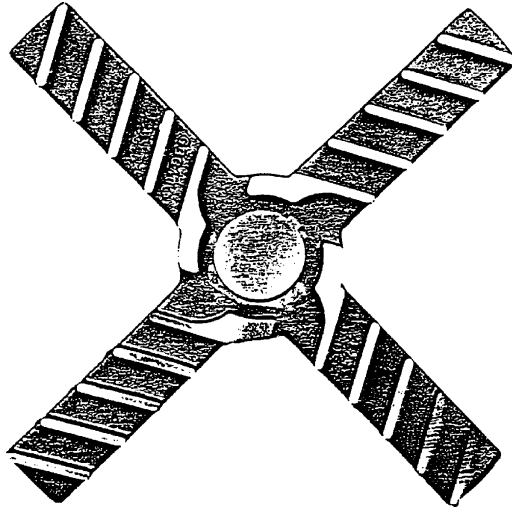


Figure 13.14 Sollich cruciform scraper (MSV Turbo Temperer).

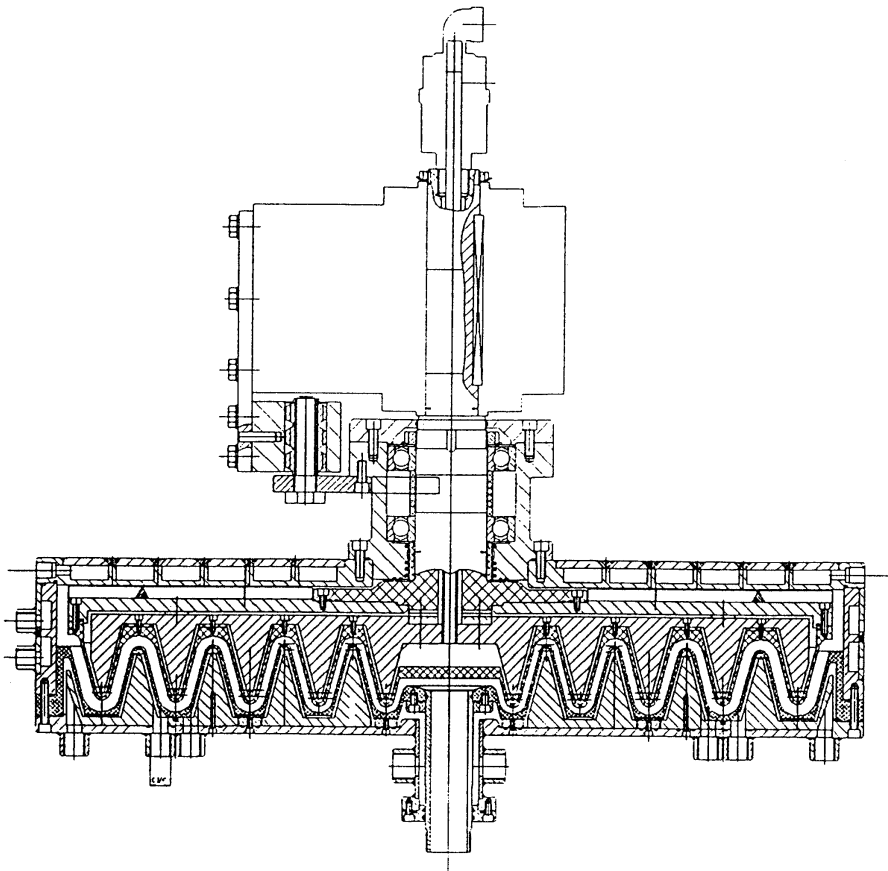


Figure 13.15 Section of a “ τ ” tempering system. Reproduced with permission of Carle and Montanari-OPM.