

Hydro Produce Cutting Systems

Southern Field Welding offers a custom Hydro Cutting System with a wide range of capabilities. These machines can successfully cut more than 40 fruits and vegetables, including carrots. They will perform all standard cuts with ease, as well as a rapidly growing number of exotic specialty cuts.

The standard unit comes equipped with a 30 h.p. electric motor with a variable speed drive. This allows for a full range of cutting speeds from 200 rpm to 1500 rpm. The unit is portable and can be equipped with wheels, with casters, or with forklift openings. It can also be trailer mounted. Information on production capabilities is available on request. Component systems for permanent installation are available in all sizes and in all configurations.



Optional equipment available for the self-contained system includes:

- ◆ **Engine Drives** Engine-driven units are available for use in locations where electric power is not available. We can provide engines that burn gas, diesel, or propane.
- ◆ **Seed-Eliminator** This cone seed eliminator is incorporated into the water return line. It's purpose is to maintain water quality by removing small pieces of debris and seeds from the stream and diverting the seeds to a separate stream for other uses.
- ◆ **Divided Head** The Dividing Head diverts different portions of the product being cut into separate streams. For example, the tender edible core can be cut out of a woody broccoli stem for food processing while the woody outside portion is diverted to a separate stream for other uses.
- ◆ **Non-mechanical Centering Device** A wide range of product diameters can be handled with the Non-mechanical Aligner (patent pending). The aligning fingers can be supplied in soft or firm polymer to match the fragility of the product being handled.
- ◆ **Cutlery** A wide range of high-quality cutlery is available for all standard types of cutting. Knives for many exotic specialty cuts, including a special carrot stick knife (patent applied for), are also available.



SFW Food Processing

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