Beekeepers process harvested honey frames in a linear system with a deboxer, uncapper and extractor. The uncapper and extractor remove honey and wax from the frames. The honey and wax need to further refined to separate.

**Honey Extraction and Wax Handling Equipment: Spinner Option**

- **Deboxer**: An air-powered device that extracts honey frames from supers.
- **Uncapper**: Removes wax cappings with water-heated knives, chain flails or rolling pickers.
- **Autoload Extractor**: Moves honey frames to autoload extractor on conveyor belt.
- **Large-scale Option**: Manual transfer of frames to autoload extractor.
- **Small-scale Option**: Manual transfer of frames to radial extractor.
- **Radial Option**: Person manually loads frames into radial extractor.
- **Conveyor**: Transports frames to autoload extractor.
- **Honey Sump**: Tank that holds honey and wax from uncapper.
- **Auger**: Pushes honey and wax from uncapper to sump.
- **Gear pump (2-inch)**: Moves honey and wax from sump to wax spinner.
- **Wax Spinner**: Separates honey and wax.
- **Gear pump (2-inch)**: Moves honey from wax spinner to holding tank.
- **Settling Tank**: A double-walled and water-jacketed heated tank separates honey and wax.
- **Holding Tank**: Gear pump moves honey to holding tank.
- **Barrel**: Honey moves to 55-gallon barrels.
- **Gear pump (2-inch)**: Moves wax from wax spinner to holding tank.
- **Wax Melter**: Beekeeper manually places wax into wax melter to further refine wax and form into uniform blocks.
- **Product**: Blocks of yellow wax.
- **Product Wholesale Honey**: Barrels of honey.

**Honey Streams**

- **Honey moves from Cappings Spinner to Holding Tank**.
- **Honey moves from Wax Spinner to holding tank**.
- **Honey moves to holding tank by gear pump and is poured into 55-gallon barrels**.
Honey Extraction and Wax Handling Equipment: Slurry Option

Beekeepers process harvested honey frames in a linear system with a deboxer, uncapper and extractor. The uncapper and extractor remove honey and wax from the frames. The honey and wax need to further refined to separate.

**Deboxer**
An air-powered device that extracts honey frames from supers

**Uncapper**
Removes wax cappings with water-heated knives, chain flails, and/or rolling prickers

**Manually transfer**

**Auger**
Paddle-mixing auger pushes honey and wax from uncapper to sump

**Honey Sump**
Tank that holds honey and wax from uncapper and extractor

**Heat Exchanger**
Honey and wax slurry passes through heat exchanger; slurry is heated to increase flowability

**Wax Separator**
Separates honey and wax

**Wax Melter**
Beekeeper manually places wax into wax melter to further refine wax and form into uniform blocks

**Conveyor**

**Honey & Wax**

**Honey**

**Wax**

**Piping**

**Manually transfer**

**Autoload and/or Radial Option**

**Radial Option:** Person manually loads honey frames into radial extractor

**Radial Extractor**
Removes honey and wax from frames

**High-output pump (3-inch)**
Slurry of honey and wax move from sump to wax separator by a high-output gear pump

**Gear pump (2-inch)**
Honey moves to holding tank by gear pump and is poured into 55-gallon barrels

**Holding tank**

**Barrel**

**Product Wholesale honey**

**Product**
Blocks of yellow wax

**Output:** Empty frames