

AVEKA

**SPECIALISTS IN PARTICLE TECHNOLOGY
TOLL MANUFACTURING**



HIGHLIGHTS

- CONCEPT TO COMMERCE
- REACTION, FERMENTATION
- MEMBRANE FILTRATION
- CENTRIFUGATION
- EVAPORATION
- DRYING
- ANALYTICAL

AVEKA BIOPROCESSING AND SEPARATIONS

AVEKA'S newest facilities support the natural products industry:

- Food-Grade materials
- Nutraceuticals and value-added natural products

Laboratory R&D

- AVEKA, Inc., Woodbury, MN
- Full team of R&D Engineers
- Dedicated analytical laboratory

Pilot and Manufacturing

- AVEKA Nutra Processing, LLC, Waukon, Iowa
- Cresco Food Technologies, LLC, Cresco, Iowa
- Proper allergen handling
- Flexible multiple unit operations
- Full solution provider

QUALITY PLEDGE

- COMMITMENT TO SAFETY
- PRIORITIZE CUSTOMER SATISFACTION
- CONSISTENT, EXCEPTIONAL PRODUCT
- STRONG BUSINESS PARTNERSHIPS
- IP MODEL THAT WORKS FOR EVERYONE
- USDA, FSIS INSPECTED, CERTIFIED
- KOSHER CERTIFIED
- CERTIFIED ORGANIC
- FSSC 22000
- ISO 9001:2015
- HACCP PROGRAM

Let us work with you to develop an innovative plan to take your idea from concept to commerce.

SAMPLING OF CAPABILITIES

Purify proteins and polysaccharides

- Reactions in pressure vessels
- Centrifuge and filter material
- Spray drying
- Moisture, particle size analyses

Recover valuables from waste

- Remove phytochemicals from a stream previously discarded
- Minimize waste disposal
- Recover process water

Concentrate soluble materials

- Reduce volumes
- Save processing losses
- Decrease drying inputs
- Ease transportation, processing

Extract natural ingredients

- Natural colors
- Value added anthocyanins
- Botanical and herbal compounds
- Soluble and insoluble fibers
- Analyze rheology, color, purity

Filter with membranes

- Variety of membrane materials
- Separate molecules or colloids
- Use for delicate bioseparations
- Micro, ultra, nano filtration, R/O

Centrifuge

- Remove insolubles
- Stacked disc, continuous
- Large capacity decanters

Polish final products

- Many drying units: spray, roll, fluid bed, etc.
- Crystallization
- Pilot and production scales
- Custom packaging



CUSTOMER TESTIMONIAL

“Great people who listen and respond to customer needs. I think AVEKA has done a tremendous job of getting our production process up and running in a very short time. Issues that inevitably come up with any major project were communicated and addressed promptly. I am extremely confident in AVEKA’s manufacturing and technical abilities.”

