

# AVEKA

## EMPLOYEE OWNED

**SPECIALIST IN PARTICLE TECHNOLOGY  
TOLL MANUFACTURING**



## HIGHLIGHTS

- CONCEPT TO COMMERCE
- REACTION CAPABILITIES
- MEMBRANE FILTRATION
- CENTRIFUGATION
- EVAPORATION
- DRYING
- ANALYTICAL

## BIOPROCESSING & SEPARATIONS

AVEKA'S newest facilities support the natural products industry:

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

### Laboratory R&D

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

### Pilot and Manufacturing

- AVEKA Nutra Processing- Waukon, IA
- Cresco Food Technologies- Cresco, IA
- 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
- HACCP PROGRAM

Let us work with you to develop an innovative plan to take your ideas 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
- Multiple pass capabilities
- Large capacity decanters

### Polish final products

- Many drying units: spray, roll, fluid bed, etc.
- 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.”**

