Master of Microbial Fermentation

WHAT WE DO

- Microbial Fermentation Toll Manufacturing
- **OEM/ODM** Customized Products
- Functional Food Raw Material
- Own Brand Products



Microbial Fermentation **Toll Manufacturing**

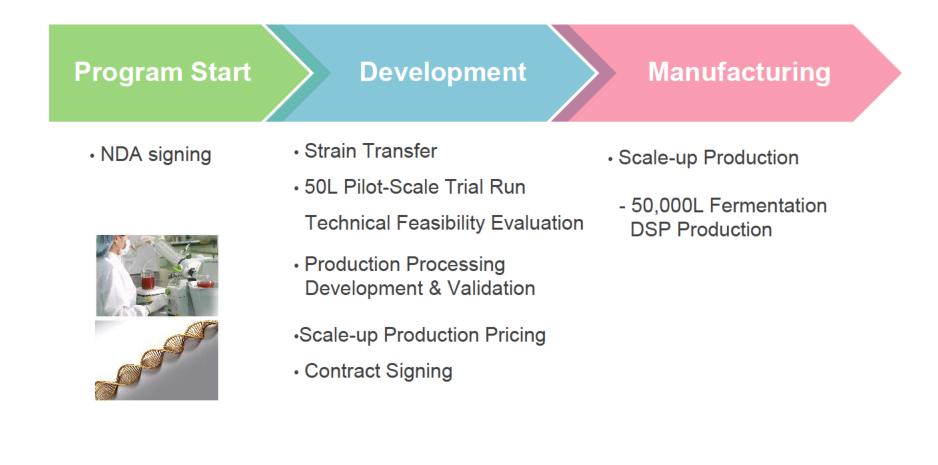
Functional Food Raw Material

Own Brand Products

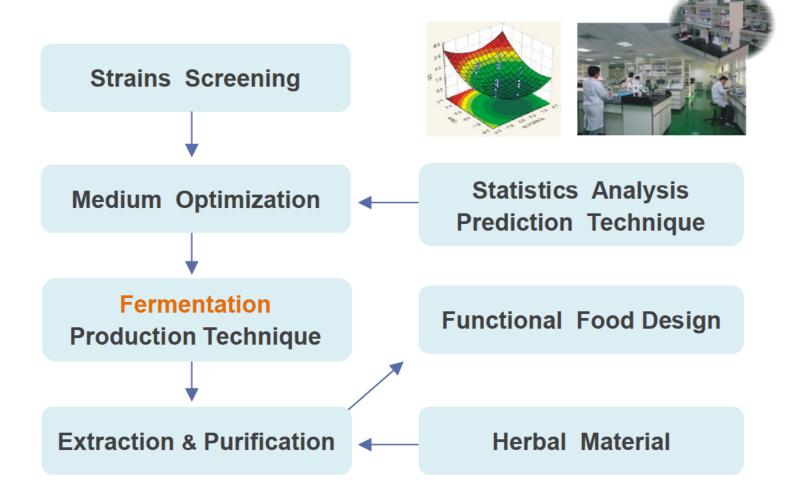
OEM/ODM Customized Products



Microbial Fermentation Toll Manufacturing

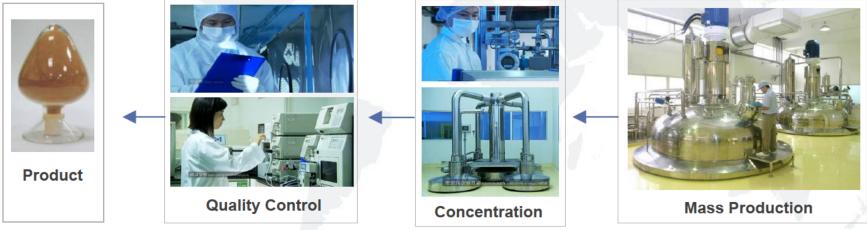


Core Technology



Production





Pilot Plant



Fermentation Facilities

Different scales of fermentor including submerged culture and solid-state fermentors.



Equipment	Quantity
Fermentor	55,000 L x 2 50,000 L x 2 6,000 L x 2 5,000 L x 3 500 L x 4 50 L x 7
Solid-State Fermentor	1,500 L x 1
Medium Preparation Tank	15,000 L x 1
Substrate Feeding Tank	15,000 L x 1 2,000 L x 1
Feeding Tank	500 L x 2

Extraction, Recovery and Purification Facilities

Complete downstream production facilities for extraction, recovery and purification.

Equipment	Quantity
Auto-Cleaning Membrane Filter Press (Filtration area 100 m ²)	2
Ceramic Membrane Filtration Set (Filtration area 18 m ²)	1
Ultra-filtration Set (spiral membrane) (Filtration area 95 m ²)	3
Continuous Disk Stack Centrifuge	4
Vertical Scraper Peel Discharge Centrifuge	2
Extractor(Stirring Tank Type) / 50,000 L	4
Extractor(Stirring Tank Type) / 10,000 L	1
Continuous Vacuum Evaporator (1,000 L / hr)	1
Vacuum Concentration Stirring Tank / 15,000 L	1
Vacuum Concentration Stirring Tank / 10,000 L	3
Vacuum Concentration Stirring Tank / 6,000 L	1
Vacuum Concentration Stirring Tank / 5,000 L	3
Vacuum Concentration Stirring Tank / 500 L	1



Spray Dryer



Continuous Vacuum Belt Dryer



Ceramic Membrance Filtration



Vertical Scraper Peel Discharge Centrifug



Extractor



Auto-Cleaning Membrane Filter Press

Extraction, Recovery and Purification Facilities

Complete downstream production facilities for extraction, recovery and purification.

Equipment	Quantity
Stirring Cooling Tank 10,000 L	1
Spray Dryer (120 L / hr)	1
Freeze Dryer (450 L / batch)	1
Freeze Dryer (2,000 L / batch)	2
Continuous Vacuum Belt Dryer (evaporation capacity 50 L / hr)	1
Fluid Bed Dryer	1
Solvent Tank / 50,000 L	3
High Pressure Homogenizer (2T / hr)	1
Low Pressure Column Chromatography	2







Low Pressure Column Chromatography





Fluid Bed Dryer

Disk Stack Centrifuge

Filling & Packing Facilities

We has obtained GMP certified by NSF; also meet the filling and packing standard of TFDA. Providing one-stop service for capsule, powder, and liquid filling and packing.

