

# STEPHAN Microcut

## Continuous Fine Size Reduction and Emulsification at its Best

### One idea - several versions

! The Stephan Microcut is a multifunctional fine cutting and dispersing system. The rotor stator system is available as single stage and double stage version.

A wide range of machine layouts meets the requirements of multitudinous segments of the food industry. Homogenous fine cutting and emulsifying of meat can be done as well as forming emulsions and dispersing solids in liquids.

A special layout is suitable for cutting vegetable as well as biscuit rework. !

### Benefit from the advantages:

- ✓ Efficient fine grinding
- ✓ Perfect cutting
- ✓ Homogenous mixing
- ✓ Optimal powder dispersing
- ✓ Stable emulsions
- ✓ Constant product quality
- ✓ Easy to operate

*simply flexible...*



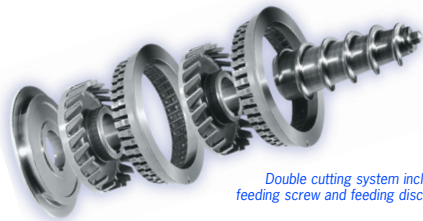
## Applications and Processing Steps

### Applications: (some examples)

- ✓ Meat emulsions
- ✓ Liver paté
- ✓ Skin emulsion
- ✓ Emulsions, various
- ✓ Baby Food
- ✓ Vegetable grinding
- ✓ Biscuit rework grinding

### Processes:

- ✓ Cutting
- ✓ Dispersing
- ✓ Emulsifying
- ✓ Homogenizing



### Design of Microcut: The cutting system

! Premium fine cutting and emulsifying effects result from the special Stephan design.

A wide range of Stephan cutting tools is available for numerous applications. !

## Stephan Microcut Versions



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## Technical Data

Type	MC 10/12/15	MCH 20/150	MCH-D 150/180	MCH 10	MCH 20 K
Description	<b>Microcut Vertical Construction</b>	<b>Microcut Horizontal Construction</b>	<b>Microcut Horizontal Construction</b>	<b>Emulsifying Machine</b>	<b>Dry/Wet Grinding</b>
Capacity (heavily dependent on product)	[l/h] 1200	1200/4500	4500/6000	3000	1200 [kg/h]
Cutting system	single	single	double	single	single
Speed	[rpm] 3000	3000	3000	3000	3000
Energy requirements Main drive	[kW] 7.5/9/11	15/30	45 u.55/ 75 u.90	5.5/7.5	15
Special design				inline emulsifier	precutter

## Test Facilities

! The test facilities at our headquarters in Hameln (Germany) are available for feasibility studies and demonstration runs. !

