

STEPHAN MICROCUT®
Fine size reduction and emulsification at its best





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. Homogeneous fine cutting and emulsifying of meat and fish can be done as well as forming emulsions and dispersing solids in liquids.

A special layout is suitable for cutting of vegetables and fruits as well as biscuit rework and frozen products.

Benefit from the advantages:

- ✓ EFFICIENT FINE GRINDING
- ✓ PERFECT CUTTING
- ✓ HOMOGENEOUS MIXING
- ✓ OPTIMAL POWDER DISPERSING
- ✓ STABLE EMULSIONS
- ✓ CONSTANT PRODUCT QUALITY
- ✓ EASY TO OPERATE

SIMPLY FLEXIBLE ...



APPLICATIONS AND PROCESSING STEPS

APPLICATIONS: (SOME EXAMPLES)

- MEAT EMULSIONS
- LIVER PÂTÉ
- EMULSIONS
- MARINADES AND SAUCES
- BABY FOOD
- VEGETABLE AND FRUIT GRINDING
- NUTS AND ALMONDS GRINDING
- BISCUIT REWORK GRINDING
- CONFECTIONARY
- FISH PRODUCTS
- HOMMOS
- YOGURT

PROCESSES:

- CUTTING
- DISPERSING
- EMULSIFYING
- HOMOGENIZING





DESIGN OF STEPHAN MICROCUT®:

THE CUTTING SYSTEM

The long-life contactless rotor stator system allows premium fine cutting and emulsifying effects in the same machine.

With special tools difficult products, like sinews, soft bones and skin can be cutted in the best quality.

The pre-cutter reduces the product size efficiently from 100 mm pieces down to 1-2 mm (depending on the product).

Double cutting system with feeding spiral and feeding disc for low and medium viscose products



Pre-cutting system



Feeding spiral with gear motor for high viscose products and big pieces



STEPHAN MICROCUT® VERSIONS

TEST FACILITIES

The test facilities at our headquarters in Hameln (Germany) are available for feasibility studies and demonstration runs of the STEPHAN Microcut®.



MC 10/12/15



MCH 20N/NVS



MCH 10/2, MCH 12/2



MCH 150/
MCH-D 150/180



MCH 20 K/MCH 20 KVS*



MCH 150 Inline / MCH 10 Inline



MCH 20 / MCH 15

Type		MC 10/12/15	MCH 20/150	MCH-D 150/180	MCH 12/2 MCH 10/2	MCH 20 NVS/150 NVS* MCH 20 KVS/150 KVS*
Product examples		pâté, fish, meat	pâté, fish, meat	pâté, fish, meat, baby food	emulsions, marinades, sauces	vegetables and fruits, biscuit rework, pet food
Capacity (heavily dependent on product)	(kg/h)	1200	1200/4500	4500/6000	3000 (l/h)	1200/4500
Funnel size	l	40/90/120	120/150	150/250	90/125/250	40/100
Cutting system		single	single	double	single	single*/double*
Cutting gaps	mm	0.05 / 0.2 / 0.35 / 0.5 / 0.7 / 0.9 / 1.25 / 1.5 / 1.8 / 2.0 / 3.0				
Speed	(rpm)	3000	3000	3000	3000	3000
Energy requirements Main drive	(kw)	7.5/9/11	15/30	45 or 55/75 or 90	7.5/9	15/55

*optional: with additional pre-cutting system

The machines shown are for illustrative purposes only. Actual machine construction may vary by specification.

Stephan Machinery

WORLD WIDE AT YOUR DISPOSAL

HEADQUARTER

STEPHAN MACHINERY GMBH
Stephanplatz 2
31789 Hameln / GERMANY
phone +49 5151 583-0
fax +49 5151 583-189
info@stephan-machinery.com
www.stephan-machinery.com

STEPHAN MACHINERY GMBH
Branch Office Schwarzenbek
Grabauer Straße 6 -10
21493 Schwarzenbek / GERMANY
phone +49 4151 8987-0
fax +49 4151 8987-10
info@stephan-machinery.com
www.stephan-machinery.com

SUBSIDIARIES/REPRESENTATIVES

BELGIUM

STEPHAN BVBA
Sluis 11
9810 Nazareth / BELGIUM
phone +32 9 3858355
fax +32 9 3858187
info@stephan-belgium.be

USA

STEPHAN MACHINERY INC.
1385 Armour Boulevard
Mundelein, IL 60060 / USA
phone +1 847 2470182
fax +1 847 2470184
info.us@stephan-machinery.com

RUSSIA

000 STEPHAN MACHINERY
ST. PETERSBURG
RUSSIA, 197110, St. Petersburg
Levashovskiy pr. 13, litera G
Business Center "Evro-Auto", office 332
phone +7 812 7021185
fax +7 812 7021187
info.ru@stephan-machinery.com

FRANCE

STEPHAN MACHINERY FRANCE SARL
ZAC du Mandinet
1-3, rue des Campanules
77185 Lognes / FRANCE
phone +33 1 64805430
fax +33 1 60067414
info.fr@stephan-machinery.com

UNITED KINGDOM

STEPHAN UK LTD.
Unit C5
10th Avenue
Zone 3, Deeside Industrial Park
Deeside / Flintshire
CH5 2UA / UK
Deeside
phone +44 845 4560823
fax +44 845 4560824
info@stephan-uk.co.uk

POLAND

STEPHAN MACHINERY
POLSKA SP. Z O.O.
ul. Perzycka 11
60-182 Poznań / POLAND
phone +48 61 8198888
fax +48 61 8171201
info.pl@stephan-machinery.com

SINGAPORE

STEPHAN MACHINERY
ASIA PACIFIC PTE LTD.
23 Tagore Lane
#03-12 Tagore 23 Warehouse
Singapore 787601 / SINGAPORE
phone +65 6455 7670
fax +65 6455 6220
info.sg@stephan-machinery.com

SWITZERLAND

STEPHAN MACHINERY GMBH
SALES REPRESENTATIVE SWITZERLAND
Mr Marcel Heeb
P. O. Box
8332 Russikon / SWITZERLAND
phone +41 44 9550608
fax +41 44 9550688
stephan-machinery@bluewin.ch