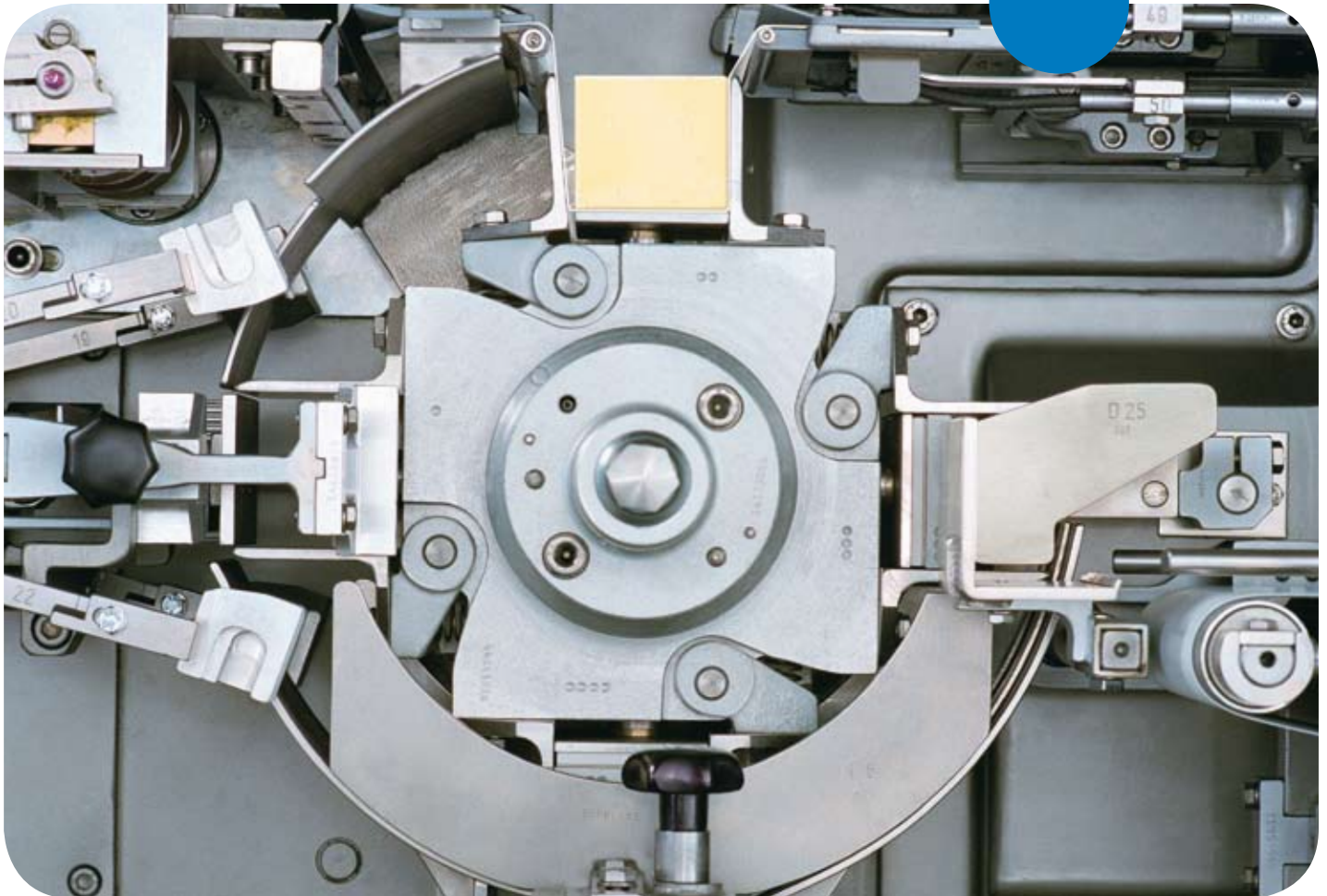


ECOPACK

Fully automatic moulding
and wrapping machines
for butter and margarine

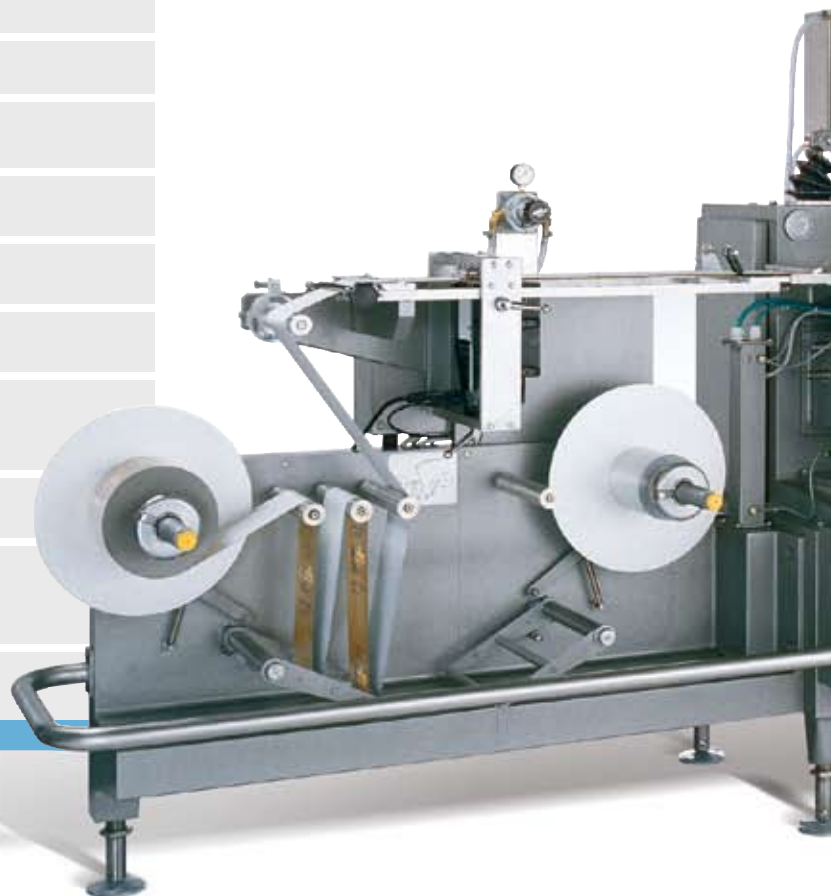


MAXIMUM PACKAGING QUALITY WITH MINIMUM CONSUMPTION OF WRAPPING MATERIAL: ECOPACK MOULDING AND WRAPPING MACHINES

Outstanding packaging quality, exceptional filling accuracy, and maximum format flexibility are the intrinsic characteristics of the Ecopack machine range which OYSTAR Benhil customers have always been appreciating, for packing butter and margarine. As the name makes suppose already, another feature of the Ecopack machines is their main advantage: the low wrapping material consumption saving up to 30% compared with traditional folding styles (always depending on the packet size)! This considerable reduction is possible due to the end fold principle. Furthermore, Ecopack machines allow utilization of wrapping materials with high dead fold such as plastic wrappers made of PE, PP, or OPP.

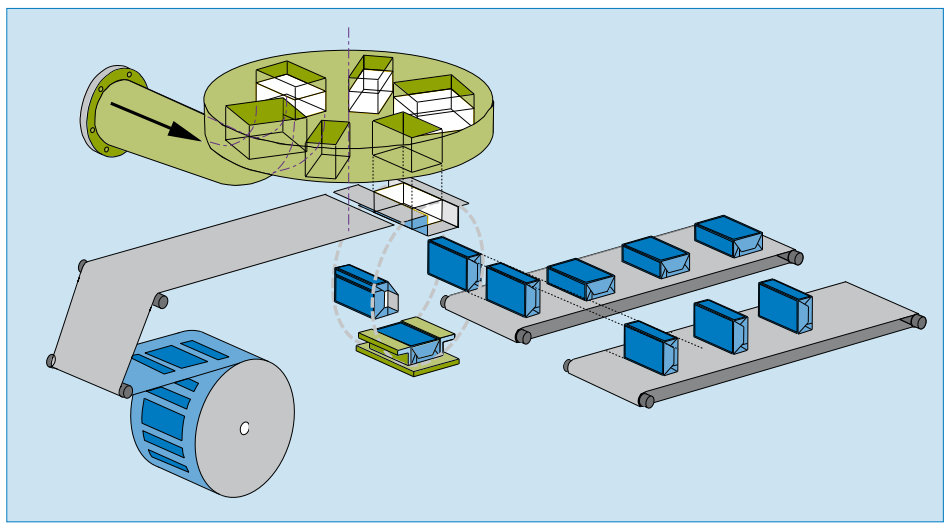
Ecopack – all advantages at a glance

- Excellent filling accuracy
- Extremely gentle product handling
- Very low packaging material consumption due to the end fold style
- Trouble-free handling of wrapping materials with high dead fold such as greaseproof paper or plastic foils (PE, PP, OPP)
- End fold with pressure-sensitive hot melt, for optimum product protection and perfect cartoning (optional)
- Tamper evident closure by hot melt gluing of the end flaps (optional)
- Gentle wrapping material handling
- Product stamping (optional)
- Flexible change-over of packet sizes
- Compact, well arranged design, ensuring easy operation
- Driving elements in closed oil bath for low maintenance
- Closed construction
- Main machine drive in casting, ensuring low-vibration and therefore smooth operation
- Double reel un-winder for quick reel change (optional)
- Electronic control by PLC Siemens S7-300, operation by touch screen panel
- High reliability

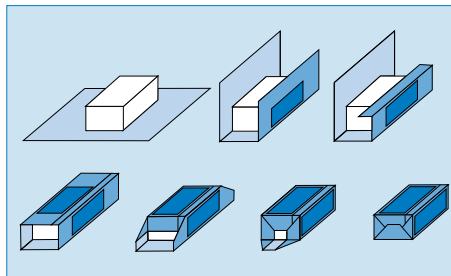




Butter stamping



Function principle



End fold style



Four pocketed folding wheel

Economical end fold

This technology allows perfect moulding and packaging, with high weight accuracy, even in case of extremely cold product. Adjustments to compensate for different specific weights can be made either manually or electrically, without stopping the machine. No other folding style is as economical as the end fold. Sharp edged packets can be formed with a minimum of wrapping material.

Optimum product protection

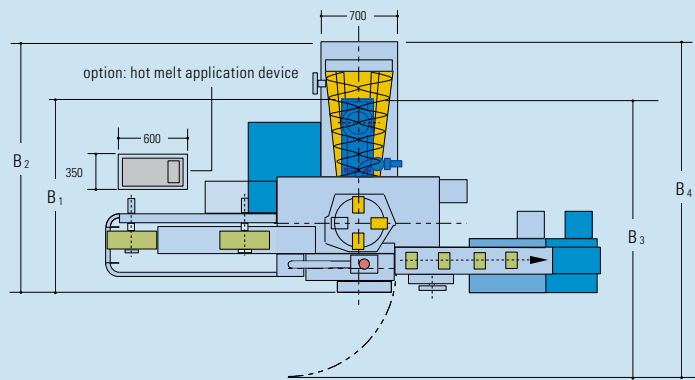
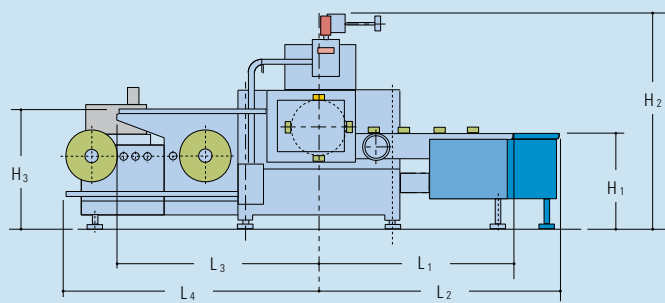
Best product protection is ensured either by means of a simple and effective pressure-sensitive hotmelt application onto the side flaps, or by standard hot melt with perforation for easy opening. Note: Ecopack machines accept all current wrapping material qualities which are used for butter and margarine.

Highest flexibility

Ecopack is most flexible in terms of size change-over: Within minutes, the machine can be changed over to a different packet height or in all three dimensions, for a wide range of weights from 100 g to 500 g, depending on the machine type. An additional unique feature is the Ecopack's ability to stamp your company logo or motif onto the surface of the product, which will remain legible even after the wrapper has been removed, further advertising your product. Smooth, low-vibration and therefore low-noise and low-wear operation are typical features of all Ecopack machines. The clear construction and the ergonomic design which allow easy access to all operation and maintenance components ensure user-friendly machine operation.



Type FD165 with double reel un-winder



Four pocketed folding wheel with working stations

- Receipt of the moulded product block with wrapper in the moving folding chambers
- Folding section to close packets at head sides
- Pressing section
- Ejection onto discharge belt and packet turning

Dimensions	F120	FD120	F140	FD140	FD165
H ₁	830 mm	830 mm	960 mm	960 mm	960 mm
H ₂	1750 mm	1793 mm	1907 mm	2240 mm	2240 mm
H ₃	1048 mm	1048 mm	1178 mm	1178 mm	1178 mm
L ₁	1739 mm	1739 mm	–	–	–
L ₂	–	–	2190 mm	2190 mm	2190 mm
L ₃	1855 mm	1855 mm	1855 mm	1855 mm	1855 mm
L ₄	2306 mm	2306 mm	2306 mm	2306 mm	2306 mm
B ₁	–	1939 mm	–	1939 mm	1939 mm
B ₂	2335 mm	–	2335 mm	–	–
B ₃	–	2676 mm	–	2676 mm	2676 mm
B ₄	3072 mm	–	3072 mm	–	–

Subject to dimensional and technical modification

Technical Details	120	140	165
Fill product			
butter	•	•	•
margarine	•	•	•
lard	o	o	o
mixed edible fats	o	o	o
other pasty products	upon request	upon request	upon request
Filling volume min.	75 cm ³	90 cm ³	90 cm ³
max.	625 cm ³	625 cm ³	280 cm ³
Product feed			
direct feed	FD120	FD140	FD165
trough with feed worms	F120	F140	upon request
Weight adjustment			
manual	•	•	•
by motor	optional	optional	optional
Nominal output up to 250 g	120 p/min	140 p/min	165 p/min
250 g up to 500 g	100 p/min	120 p/min	not available
Packet dimensions			
packet length	65–135 mm	72–140 mm	95–124 mm
packet width	31,5–92 mm	31,4–84 mm	31,5–75 mm
packet height	16–65 mm	16–65 mm	19,5–45 mm
Size change-over			
different packet heights	•	•	•
different footprints	•	•	upon request
Wrapping material			
aluminium – paper compound	•	•	•
aluminium – paper – plastic foil compound	•	•	•
parchment and grease-proof paper	•	•	•
synthetic mono foils	optional	optional	optional
Wrapping material feed			
single reel un-winder	•	•	•
double reel un-winder	optional	optional	optional

Technical Details	120	140	165
Wrapper control			
machine stop at reel end	•	•	•
machine stop if no wrapper available	•	•	•
Print registration			
photoelectrical, with electro-magnetic brake	optional	•	not available
photoelectrical, with servo-motor	not available	not available	•
mechanical	•	not available	not available
Date coding			
pin perforation	optional	optional	optional
hot embossing	optional	optional	optional
inkjet	optional	optional	optional
Packet closure			
pressure-sensitive hot melt	optional	optional	optional
hot melt (tamper evident)	optional	optional	optional
Control			
PLC Siemens	S7-300	S7-300	S7-300
Fault display			
touch screen TP 170B (Siemens)	•	•	•
Power connection			
without hot melt	7,5 KVA	11,5 KVA	8,3 KVA
Compressed air			
for compensating piston	not available	not available	6 bar
Weight			
machine weight	2700 kg	3100 kg	2900 kg

- most suitable resp. standard equipment
- o limited suitability

OYSTAR Benhil delivery program

- Fully automatic filling and wrapping machines
- Fully automatic tub filling and closing machines
- Cartoners and case packers
- Reconditioned machines
- Auxiliary dairy equipment (Microfix)



OYSTAR Holding GmbH

Lorenzstrasse 6
76297 Stutensee
Germany
P +49 7244 747 0
F +49 7244 747 299
info@oystard.de
www.oystard.de

COMPANIES

EUROPE

**A + F Automation +
Fördertechnik GmbH**
Industriestrasse 11 – 13
32278 Kirchleugern
Germany
P +49 5223 8791 0
F +49 5223 8791 11
info@oystard.afautomation.de
www.oystard.afautomation.de

Aerofill

Packaging House
Newmarket Road
Bury St. Edmunds IP33 3SN
Great Britain
P +44 1284 70 45 73
F +44 1284 70 65 65
sales@oystard.afldaw.com
www.oystard.aerofill-dawson.com

Benz & Hilgers GmbH

Blindeisenweg 17
41468 Neuss
Germany
P +49 2131 9955 33
F +49 2131 9300 55
sales@oystard.benhil.de
www.oystard.benhil.de

Dawson

Packaging House
Newmarket Road
Bury St. Edmunds IP 33 3SN
Great Britain
P +44 1284 70 45 73
F +44 1284 70 65 65
sales@oystard.afldaw.com
www.oystard.aerofill-dawson.com

Erca-Formseal S.A.

3, Avenue du Pacifique
Les Ulis, B.P. 54
91942 Courtaboeuf Cedex
France
P +33 169 828 000
F +33 169 078 238
ulis@oystard.erca-formseal.com
www.oystard.erca-formseal.com

Gasti

Verpackungsmaschinen GmbH
Raiffeisenstrasse 8
74523 Schwäbisch Hall
Germany
P +49 791 402 0
F +49 791 402 100
info@oystard.gasti.de
www.oystard.gasti.de

Hamba Filltec GmbH & Co.KG

Im Langental 6
66539 Neunkirchen/Wellesweiler
Germany
P +49 6821 40 13 0
F +49 6821 40 13 149
info@oystard.hamba.de
www.oystard.hamba.de

Hassia

Verpackungsmaschinen GmbH
Heegweg 19
63691 Ranstadt
Germany
P +49 6041 81 0
F +49 6041 81 213
info@oystard.hassia.de
www.oystard.hassia.de

Hüttlin GmbH

Hohe-Flum-Strasse 42
79650 Schopfheim
Germany
P +49 7622 68 84 0
F +49 7622 68 84 111
info@oystard.huettlin.de
www.oystard.huettlin.de

IWK Verpackungstechnik GmbH

Lorenzstrasse 6
76297 Stutensee
Germany
P +49 7244 968 0
F +49 7244 960 73
info@oystard.iwk.de
www.oystard.iwk.de

Manesty

Kitling Road, Knowsley
Merseyside, L34 9JS
Great Britain
P +44 151 547 8000
F +44 151 547 8001
sales@oystard.manesty.com
www.oystard.manesty.com

OYSTAR Systems GmbH

Werkstrasse 2
32278 Kirchleugern
Germany
P +49 5223 97697 0
F +49 5223 97697 11
info@oystard.systems-gmbh.de
www.oystard.systems-gmbh.de

AMERICAS

**Fabrima Máquinas
Automáticas Ltda.**
Av. Narain Singh, 547
Parque Industrial de Bonsucesso
Cep 07250-000
Guarulhos-SP
Brasil
P +55 11 6465 2500
F +55 11 6480 3934
vendas@oystard.fabrima.com
www.oystard.fabrima.com

Packaging Technologies Inc.

807 West Kimberly Road
Davenport, IA 52806
USA
P +1 563 391 1100
F +1 563 391 0017
sales@oystard.packt.com
www.oystard.packt.com

R.A. Jones & Co. Inc.

2701 Crescent Springs Road
Covington, KY 41017
USA
P +1 859 34 104 00
F +1 859 34 105 19
sales@oystard.rajones.com
www.oystard.rajones.com

Tecmar S.A.

G. Matteoti 64 esq. Solís
7600 Mar del Plata
Prov. De Buenos Aires
Argentina
P +54 2234 8100 08
F +54 2234 8270 15
ventas@oystard.tecmarsa.com
www.oystard.tecmarsa.com

ASIA

Hassia Packaging Machinery Pvt. Ltd.

768/3 Sanaswadi
Taluka Shirur
District Pune 412207
India
P +91 2137 2532 10
F +91 2137 2532 06
info@oystard.hassiapackaging.com
www.oystard.hassiapackaging.com

IWK Packaging Machinery Ltd.

888/45 Moo 9, Soi Yingcharoen
Bangplee – Tamru Road
Tambol Bangpleeyai,
Amphur Bangplee,
Samutprakarn 10540
Thailand
P +66 2 382 544 06
F +66 2 382 54 48
info@oystard-iwk-thai.com
www.oystard-iwk-thai.com

SALES & SERVICE COMPANIES

EUROPE

Erca-Formseal Ibérica S.A.

C/Gerona, 12, Nave D
P.I. La Post, 08850 Gava
Spain
P +34 93 662 3800
F +34 93 662 5458
ercasa@oystard.erca-formseal.es
www.oystard.erca-formseal.com

IWK Machines d'Emballage S.A.S.

Avenue Augustin Normand
B.P. 30 106
14603 Honfleur Cedex
France
P +33 231 816 590
F +33 231 816 081
standard@oystard.iwk.fr
www.oystard.iwk.de

IWK PacSystems Ltd.

4 Hurland Business Centre
Hurlands Close
Farnham, Surrey, GU9 9JE
Great Britain
P +44 870 011 37 94
F +44 870 011 37 95
info@oystard-iwk.co.uk
www.oystard-iwk.co.uk

000 OYSTAR

ul Iskry 17 A, Building 3
129344 Moscow
Russia
P +7 495 662 11 78
F +7 495 662 40 17
www.oystard-russia.ru

AMERICA

OYSTAR USA Inc.

Dairy and Food
Packaging Divisions
1210 Campus Drive West
Morganville, NJ 07751
USA
P +1 732 5368 770
F +1 732 5368 850
sales@oystardusa.com
www.oystardusa.com

OYSTAR USA Inc.

Pharmaceutical and Cosmetics
Process & Packaging Divisions
39, Plymouth Street
P.O. Box 716
Fairfield, NJ 07006
USA
P +1 973 227 5575
F +1 973 227 4820
sales@oystardusa.com
www.oystardusa.com

ASIA

OYSTAR China

IWK Verpackungstechnik GmbH Rep. Office
Cross Region Plaza
27th Floor, Unit B
899 Lingling Road Xuhui District
Shanghai 200030
P.R. China
P +86 21 5150 6306
F +86 21 5150 6309
info@oystard-china.cn
www.oystard-china.cn