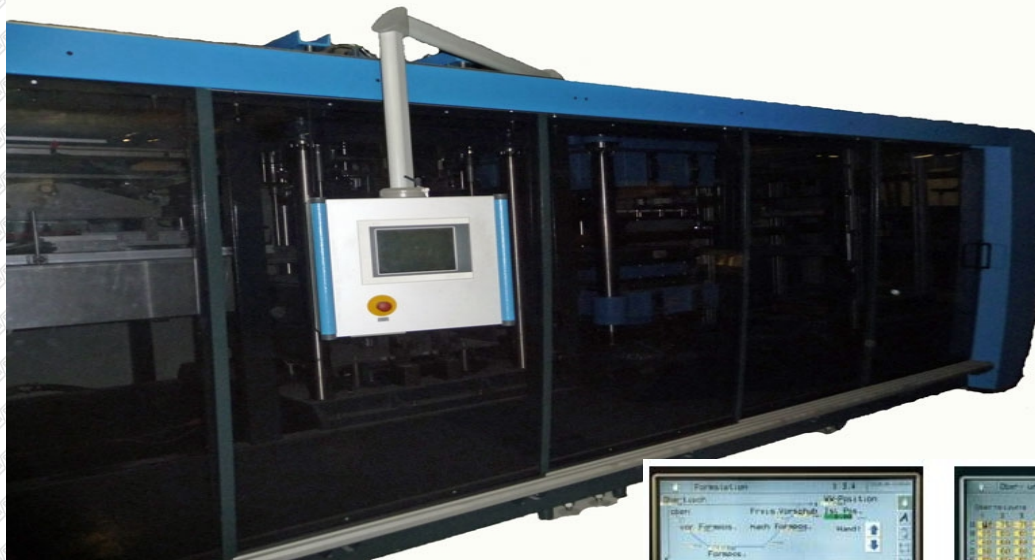


## Kiefel KMV 75 D



- **Cost-effective.** The KMV series is used in the manufacture of components made of PS, EPS, PP, PE, PVC and APET (with or without compressed-air support). It offers low production costs with maximum yield.
- **High quality.** The KMV series works with particularly high cutting and forming force. This consistent performance results in products of a constant high quality.
- **Versatile.** The increased height of the formed component (up to 120/150 mm) permits the manufacture of a wider range of products.
- **Flexible.** The KIEFEL modular system allows the machine configuration to be matched precisely to individual requirements.
- **Compatible.** Existing machine tools from other suppliers can be adapted simply.



The Video Control System from KIEFEL says it loud and clear: you get to keep all the information under control (compact industrial PC with software-based SPS).

- Clear-text based operator interface
- Digital system screen allows fast access to individual units
- Colour-Touch-Screen
- WINDOWS-like user interface
- Machine station-oriented menu structure
- Display of target/current values
- Information displays on machine-operating and retooling procedures
- Special heating-unit program for the adjustment of heater output and temperatures



Fast access to all functions



Operation by a colour touch screen

- Simple, screen-based adjustment of table stroke and speed
- Setting of stroke and speed of table, feed, chain-spreading, position of cutting and stacking unit, position of upper yoke on screen
- Automatic calculation of machine station steps dimensions with respect to feed-movement length
- 3,5 inch floppy drive
- Password-protected access
- Modem interface

For more details please contact Mega Plast GmbH or visit the following web-site:  
[www.megaplastgmbh.de](http://www.megaplastgmbh.de)



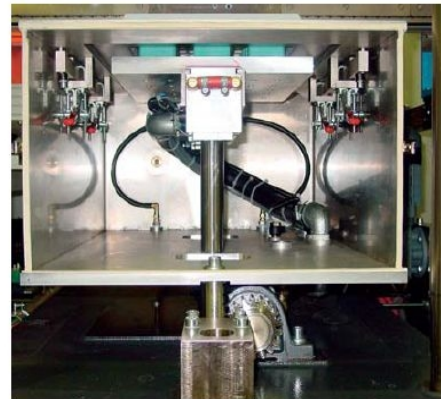


## FOR MAXIMUM PRODUCTION QUALITY: **COMPRESSED-AIR** SUPPORT

The automatic vacuum forming machines of the KMV series are equipped with a forming station for compressed-air forming at up to 2.5 bar.



The top table in the forming station is actuated by servomotors to ensure precise table movements and maximum repetitive accuracy

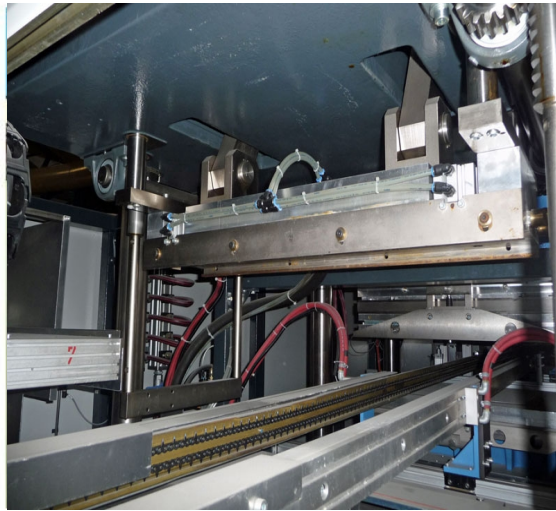


Bottom-table forming station with pneumatic tool-clamp





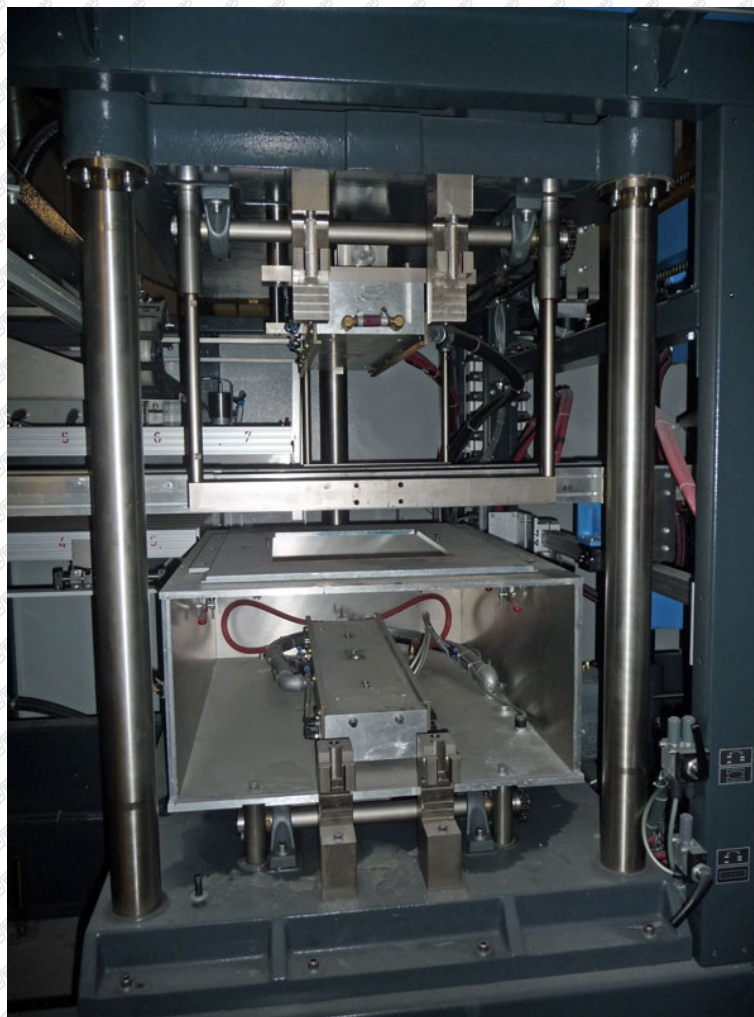
The KIEFEL modular system opens up a whole range of possibilities where the individual, totally customised configuration of your machine is concerned. Here are just a few examples:



Optimum cutting precision and maximum power in reserve – thanks to a motor-actuated cutting station

- Unwind stand for foil rolls
- Pneumatic lifting mechanism for foil rolls
- Print-mark control for use in the processing of pre-printed foil material
- Infrared radiation pyrometer for display of foil temperature with closed loop foil temperature control
- Cooled cover plates for adaptation to heating stage
- Lower heater with longitudinal-row setting
- Blade heating
- Extension for A/B stacking
- Conveyor belt for transport of stacked parts out of the machine
- Granulators
- Cooling and temperature-control units
- Tool-change devices
- Tool standards
- Motorized fine adjustment of cutting blades

### Forming Station



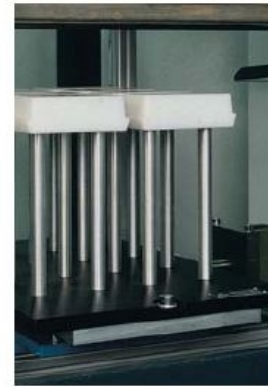
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Separately actuated width-adjustment mechanisms for the chain guides



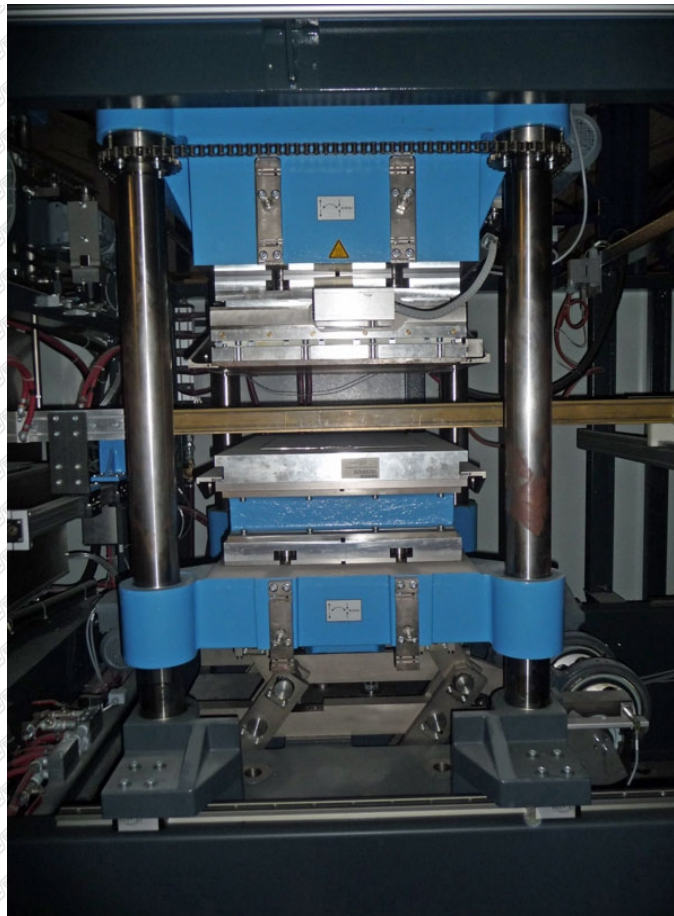
Flexible stacking station for rigid or movable shaft configuration



If you need to handle short production runs, with the frequent retooling that this entails, you will soon come to appreciate the ideal solution offered by the KIEFEL fast tool-change concept. Benefit from the time savings, flexible working and cost-effective production – along with simple and intelligent operation – that this system provides:

- Saving to memory of tool- and material-dependent processing parameters
- Integrated tool clamping in the machine tables

- Lateral tool-change with adapted support elements
- Servo-operated valve for vacuum and forming air
- Automated width-adjustment on foil-conveying system, actuated by individual motors
- Motor-actuated positioning of cutting and stacking unit
- Automated compensation for various tool heights at top table
- Motor-actuated fine adjustment of cutters



Cutting Station



## FUNCTIONING PRINCIPLE

Film unreeling  
device

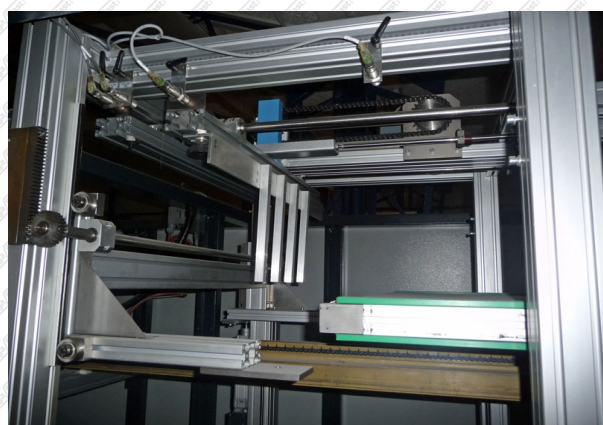
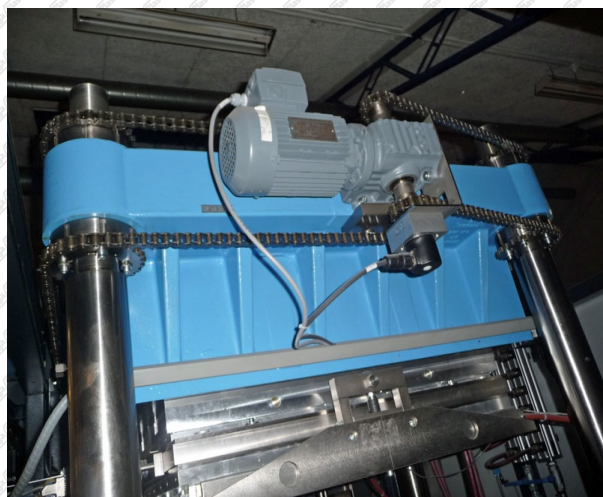
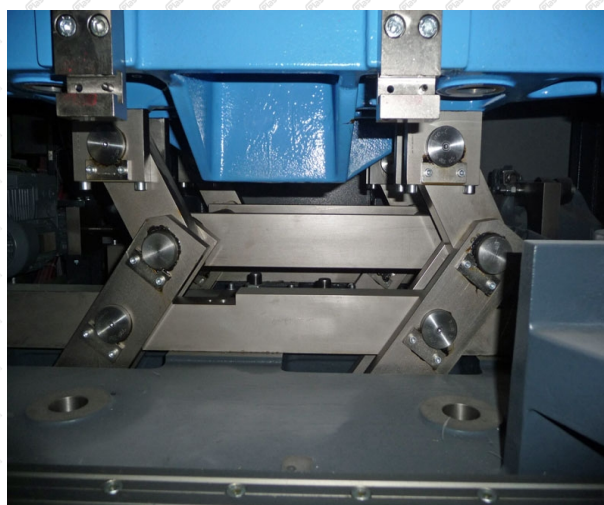
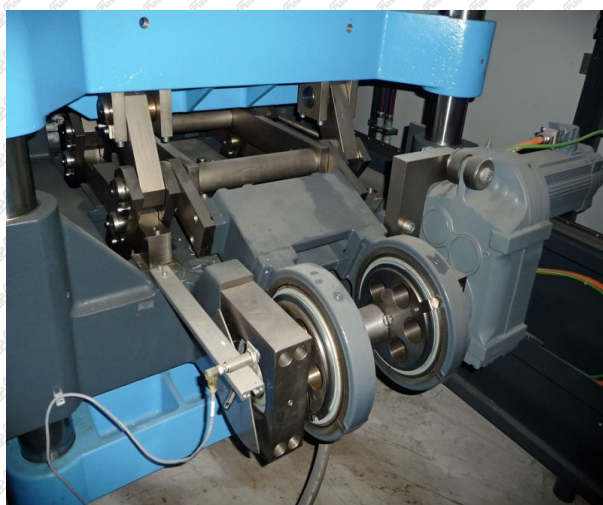
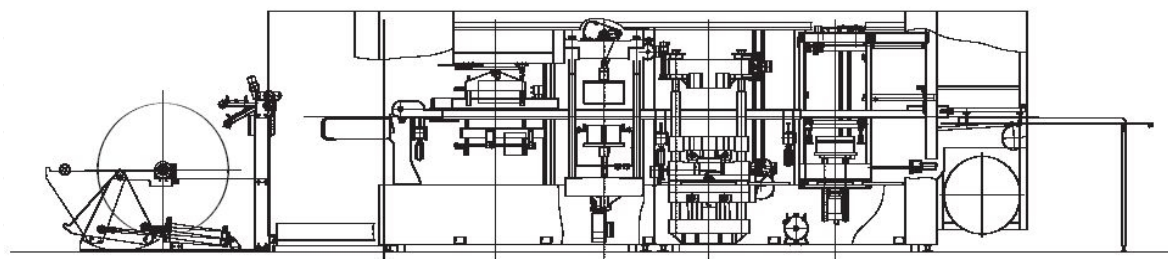
Heating  
station

Forming  
station

Cutting  
station

Stacking  
unit

Residual foil  
winding unit



			KMV 75 D	
Forming area, maximum		Surface de formage max.	750 x 540 mm	
Forming area, minimum		Surface de formage min.	400 x 250 mm	
Tool dimensions, max.		Dimensions de l'outil max.	766 x 556 mm	
Positive formed part height		Hauteur positive de la pièce formée	150 mm	
Negative formed part height		Hauteur négative de la pièce formée	50 mm	
Maximum foil width		Largeur max. de la feuille	810 mm	
Maximum foil thickness		Epaisseur max. de la feuille	1.5 mm	
Pressure forming up to max.		Formage par 'air comprimé max.	2.5 bar	
Operating pressure		Pression de service	6 bar	
Heating power of upper heater		Puissance de chauffage corps de chauffe supérieur	31,5 kW	
Heating power of lower		Puissance de chauffage corps de chauffe inférieur	20,25 kW	
Vacuum-pump suction rating		Puissance d'aspiration pompe à vide	165 m³/h	
Operating voltage		Tension de service	3 x 400 V+N+PE, 50 Hz	
Electrical connection rating		Valeur de raccordement totale électr.	96 kVA	
Maximum operating speed		Vitesse max.	30 cycles/min.	
Weight, approx.		Poids env.	11,000 kg	
Dimensions	Length	Dimensions	Longueur	12.8 m
	Width		Largeur	2.6 m
	Height		Hauteur	2.7 m

**In Greece:** Ιδιαίτερη προσοχή έχει δοθεί κατά την εξέλιξη αυτής της μηχανής στο να γίνει όσο το δυνατό περισσότερο ευέλικτη. Αυτό γίνεται χωρίς περιπλοκές τροποποιήσεις και με την χρήση εργαλείων τα οποία ευρίσκονται συνήθως στις εγκαταστάσεις του χρήστη.

Η **KMV 75D** όπως και η μικρότερη KMV 50D χρησιμοποιείται για την κατασκευή υλικών συσκευασίας από PS, EPS, PP, PE, PVC και APET.

Τόσο η ευελιξία στην παραγωγή, όσο και η χαμηλή κατανάλωση ενέργειας και δυνατότητα επιλογής διαφόρων αυτομάτων ρυθμίσεων, συνυπάρχουν στα μηχανήματα τύπου KMV κάνοντάς τα ιδιαίτερα αποδοτικά και οικονομικά μηχανήματα.

Η επιφάνεια 750 X 540 χιλιοστά του καλουπιού και το ύψος των 150 χιλιοστά του θετικού καλουπιού, επιτρέπει την επεξεργασία μιας μεγάλης γκάμας αντικειμένων. Το σύστημα καλουπώματος με πεπιεσμένο αέρα του οποίου η πίεση μπορεί να προσαρμοσθεί από μηδενική μέχρι τα 2,5 bar, είναι έτσι σχεδιασμένο ώστε να πετυχαίνει μορφοποίηση ακριβείας. Το καθαρό κόψιμο εγγυάται η σφραγιστική δύναμη των 700 kN. Λόγω της αντλίας κενού και της υψηλής ταχύτητας, για μηχανήματα αυτής της κατηγορίας (μέχρι τριάντα κύκλους/εμβολισμούς το λεπτό), η **KMV 75D** πετυχαίνει ιδιαίτερα υψηλή απόδοση παραγωγής.

Το γεγονός ότι η KMV 75D επιτρέπει την πολύ εύκολη τοποθέτηση καλουπιών όπως και τη χρήση/αλλαγή εργαλείων σε ελάχιστο χρόνο, δημιουργεί ένα μεγάλο πλεονέκτημα όπου υπάρχει μικρή παραγωγή, ή παραγωγή δειγμάτων.

For more details please contact Mega Plast GmbH or visit the following web-site:

[www.megaplastgmbh.de](http://www.megaplastgmbh.de)

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