

WE START, WHERE OTHERS STOP...



BOWL FEEDER PART FEEDER

You'll find the optimal solution for your application from our large assortment of MAFU bowl feeder as well as part feeder: from simple part feeding via conveyor belt or linear feeder to transport via bowl feeder with integrated sorting and aligning system – we have it all. MAFU bowl feeder are designed with a 3D CAD system and the PA feeding bowls as well as the sorting baffles are manufactured by means of 5-axis machining. We attach great importance to reproducibility!



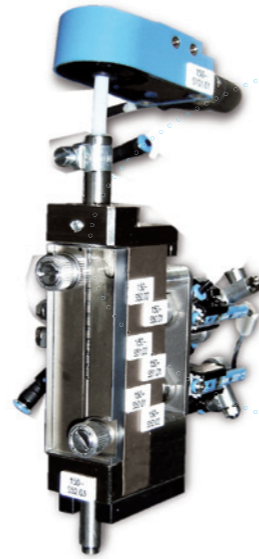
FLEXIBLE FEEDING SYSTEMS

The flexible feeding systems from MAFU represent very interesting solutions especially for production involving frequently changing part geometries. Through the combination of handling system, feeding system and integrated image processing, widely different parts can be sorted, aligned and fed into production processes in small lots. New parts are quickly introduced to the software by means of the simple teach-in function. The software also allows parallel operation of several feeding systems per handling system. Our customers thus achieve the highest possible flexibility in their production processes, with output performance up to 60 parts per minute.



HOPPER SYSTEMS

To ensure that the MAFU disentangling technology as well as sorting and feeding devices achieve a high degree of autonomy, we also carry suitable hopper systems in our portfolio. Their filling volume, simple and ergonomic handling as well as high process reliability are some of their most important features. If MAFU's standard solutions do not provide the desired results, special solutions that do can be undertaken any time.



SEPARATING SYSTEMS

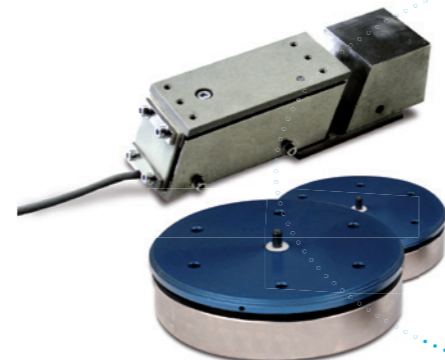
The patented separating systems from MAFU guarantee that the right parts are available at the right place for further processing. We provide manual as well as partly and fully automated solutions with integrated automatic dejamming exactly according to our customers' requirements.



DISENTANGLING TECHNOLOGY

MAFU's patented disentangling system provides the customer with a reliable and efficient system that allows efficient, gentle disentangling of small parts delivered in bulk. By combining it with other MAFU product groups, complete production processes can be automated, no matter whether they involve springs, bent wire articles, screws or other parts. For any part we can find the optimal solution for our customers, faithful to the motto:

WE START WHERE OTHERS STOP.

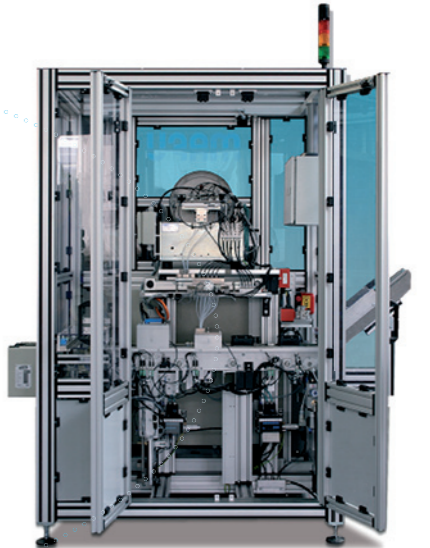


ACCESSOIRES

If our customers want to extend their MAFU systems or adapt them to new requirements, we can deliver accessories or spare parts, from simple frames to complex assemblies and also implement them on request. Our accessories also include linear as well as radial drives in different sizes and versions. Thanks to our in-house production depth of over 90%, we can guarantee extremely short delivery times.

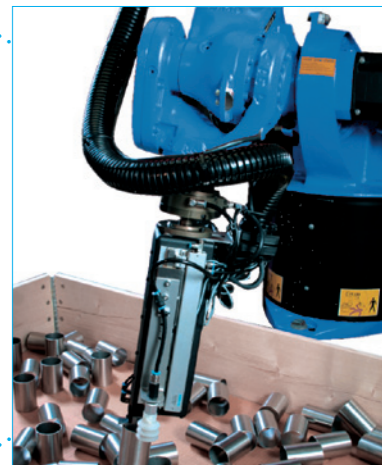
SPECIAL MACHINES

When looking for solutions for very complex production processes, such as e.g. assembly or mounting, our customers can rely completely on our know-how. Using our existing system components as a basis, we design, build and install complete special machines tailored to the requirements of our customers. Throughout the entire process of realization, from the first conversation to the commissioning of the machine, customers can trust our competent consulting service. Our great in-house production depth and state-of-the-art manufacturing machines guarantee high flexibility and quality.



BIN PICKING

Picking objects out of a bin is a classic job for robots. But it places stringent demands on ruggedness, process reliability as well as cycle times. Through new developments in object recognition and gripping point calculation as well as new gripping functions, MAFU can now automate many applications very cost-effectively. Widely different part geometries, such as e.g. tube sections or stamping parts, are directly and reliably plucked from the bin. Through the use of a communication server, the MAFU Bin Picking Solution can be realized with all popular robot brands. The MAFU Tool Unit, a newly developed gripping head, combines several gripping operations, vision technology and integrated illumination all in one. We guarantee that your container, whether pallet, collar pallet or lattice box, will be emptied right down to the last corner. Give us a try!



INSPECTION SYSTEMS

MAFU inspection systems provide you with a flexible, robust and cost-efficient in-line quality inspection. Optical testing devices, such as e.g. cameras or vision sensors, can carry out dimension checks, position and orientation detection, colour controls and much, much more, while mechanical testing devices, such as spring force sensors, can check spring force, spring rate or spring length. We can find a solution for every one of your relevant quality criteria.

