



...our **innovations concerning cutting units**

**low cost volume reduction by...**

... **less aero dynamical resistance inside the unit**

... **increasing of suction power up to 50%**

... **less weight**

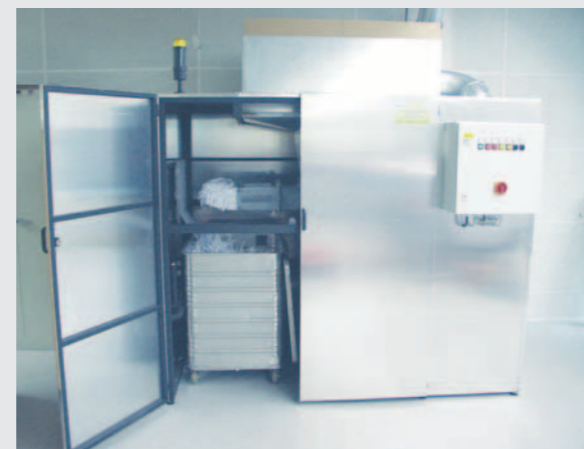
- ... strong welded steal casing
- ... using of bearings outside the casing
- ... three knives rotation wheel working like scissor cutting
- ... easy handling by a four side installation frame
- ... high cutting power because off the big wheel diameter so you get a high speed knife
- ... easy adjustment of the fixed knife by new technology
- ... direct drive of the rotation knives by electric motor
- ... easy maintenance of the bearings by greasing with separate fat
- ... all units available by stainless steel



**range of applications**

- cutting of each kind of production waste like
  - edge trims
  - punch grids (matrix and all self adhesive materials)
  - turnings
  - empty packages
  - other pieces

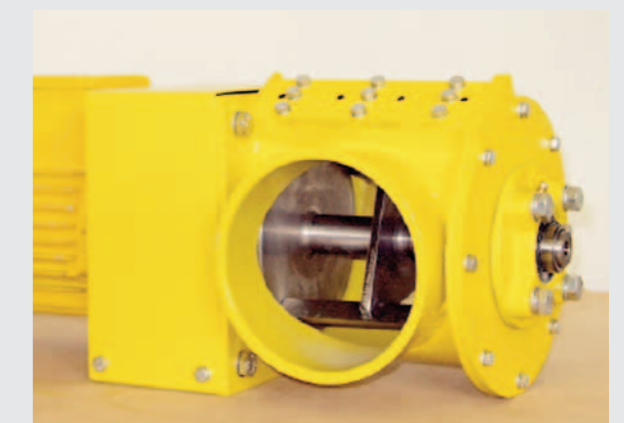
- for all materials like
  - paper
  - cardboard
  - foils and plastics
  - textile
  - aluminium
  - rubber materials
  - furniture
  - glass fibre
  - and others



cutting units  
waste handling systems  
spezial solutions

regrinding service  
repair service  
spare parts  
knife manufacturing

test center  
regrinding center  
metal working  
project planning







### cutting units

cutting units are constructed and made by ourselves. The special construction allows the using in pipelines of pneumatically waste handling systems. They can crush waste of nearly all materials and profiles like edge trims or punch grids (matrix). By the innovative construction, the air resistance of the cutting units could be reduced up to 50%, so it's an advantageously using in waste handling systems.

**cutting units: Z10, Z14, Z16, Z18, Z20, Z25, Z30**  
spezial sizes



### waste handling systems

Waste handling systems are constructed and made by ourselves and be custom tailored. They are able to exhaust waste away from production machines by all kind of speed and web width. For example endless edge of trims and punch grids (matrix), pieces and all other forms and types of waste. All systems contain two-step air cleaning equipment to use them inside production hall around the running production machines. All systems are able to process self adhesive material and standard products.

Three concepts to yours disposals:

### Cut 'n Collect

#### cutting, exhausting and collecting

mobile systems	AM-2	collecting volume from 200 to 2000 Litre
	AM-8	into single- or double foil bags
	AM-10	
	AM-20	

stationary systems	AS-10	collecting volume from 1000 to 2000 Litre
	AS-20	into single- or double foil bags
		within individual cutting unit size



### Cut 'n Compact

#### cutting, exhausting and compacting

stationary systems	AK-10	material will be compacted and came out by
	AK-15	worm or hydraulically compactor
	AK-25	within individual cutting unit size



### Cut 'n Clean

#### cutting, central exhausting and collecting into baler or truck container

stationary systems	AZ-5	material will be conveyed into truck container
	AZ-15	or baler by central waste handling systems
	AZ-25	supported by air cleaning boxes to lead back cleaned air into production hall

within individual cutting unit size



### service

**test - centre**  
make cutting and exhausting tests possible with customers own material

**regrinding - centre**  
fast regrinding of yours delivered rotation knives and fixed knives all kind of types

**steel and sheet metal - centre**  
by all known types of welding also for subcontract working

**CAD and project planning**  
for all new created technically systems and pieces of systems into all industrial ranges

### spare parts

foil bags (endless or single one) · air cleaners · mechanical parts · electrical parts bearings and more



### processing of self adhesive products

cutting, exhausting and collecting of all types of self adhesive materials

for example in paper, foils, plastics, laminated materials and others

usable for all kind of production speed and web width supported by newest oils systems

the systems process standard, symmetric and asymmetrical edge of trims, matrix and pieces and all normal and strong glue



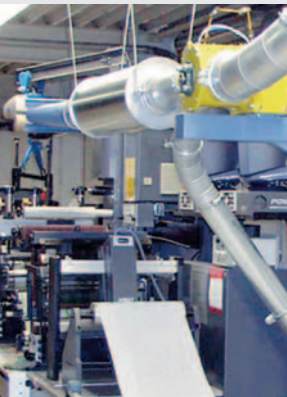
### there are following solutions to your disposal

mobile and stationary stand alone systems within foil bags

mobile and stationary stand alone systems with compacting

stationary waste handling systems with truck containers

existing customer solutions could be usable



Concerning edge trims and matrix · cutting and exhausting!