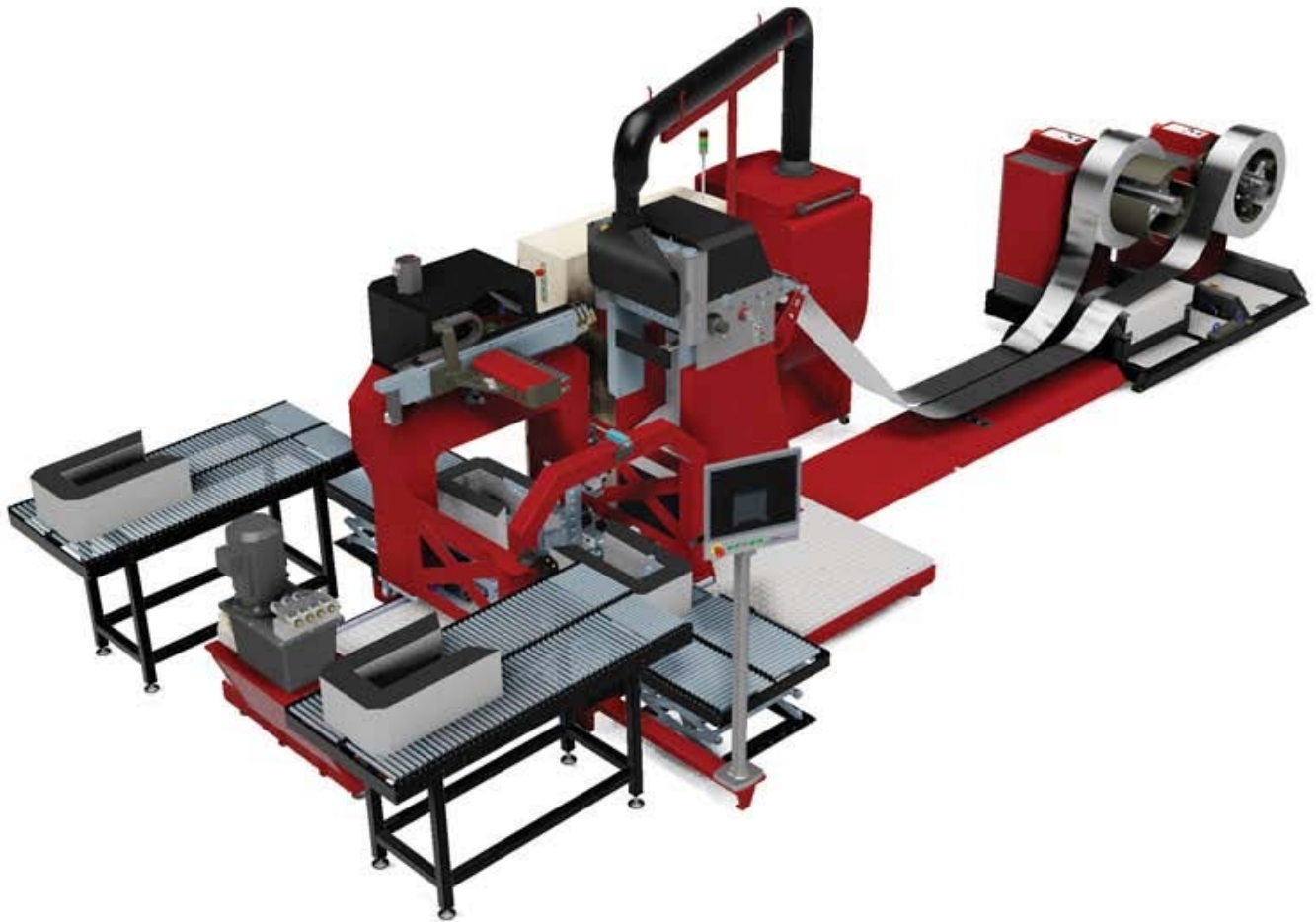


# AEM UNICORE MACHINERY

## Transformer Cores and Machines

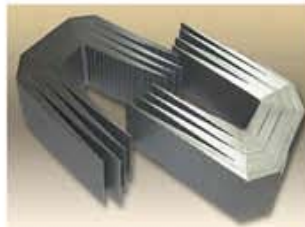
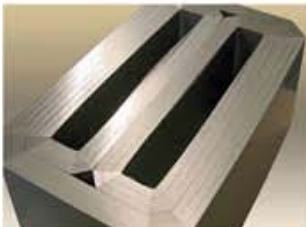
### AUTOMATIC DUO CORE MACHINE UCM440A

AEM has developed automated machinery for the production and stacking of DUO half cores, removing the need for an operator to build the core halves.



#### New Features:

- Process 1 strip up to 440mm (17") or 2 strips up to 220mm (8.5") each
- Integrated dust extraction hood
- Industrial touch screen controller
- 4 cutting edges per carbide blade
- Servo motor driven cut, fold & feed
- Reduced labour costs



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# AEM UNICORE UCM440A

## Transformer Cores and Machines

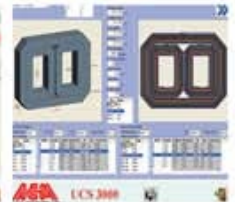
### APPLICATIONS

Unicores are produced for single and three phase distribution transformers including pole and pad mounted.



### SOFTWARE

The Unicore machine features user friendly, interactive programming software. The core design screen includes graphics and additional design options. The production screen shows core progress and allows control of work batches. There are also maintenance and help screens.



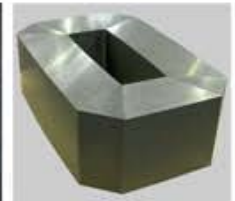
### ADVANTAGES

For **Distribution Transformers**, Unicore Technology provides a highly flexible, accurate and reliable production system with all the inherent advantages of wound core technology, such as very low core loss, fast assembly and high output relative to capital investment.

For **General Purpose Transformers**, Unicores have lower losses than C-cores or E&I and 90 degree Cut Laminations. Unicores can also be made from non orientated electrical steel to lower the cost. Transformer assembly is simple and fast.

### UNICORE SIZE & MATERIALS

Unicores are defined by window length & width, strip width & build up. Unicores can be produced from GO or NO electrical steel with thickness from 0.2 to 0.35 mm.



The UCM440A can produce and stack DUO core half cores within the following ranges:

WL (mm)	WW (mm)	SW (mm)	BUp (mm)	ST (mm)	Max 1/2 core mass
130-500	49-350	90-220	20-110	0.20-0.35	200 kg (2 strips)
		(2 strips)			350 kg (1 strip)
		221-440			
		(1 strip)			



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