

## KEM - Direct Colouring Units



*Type KEM with AZ / 608 / Z 2*

With thousands of installations, the KOCH KEM direct colouring device has proven many times over that it is the simplest and best-value solution for dyeing plastic material with masterbatch. The dosing quantity can be variably adjusted. During impulse-dependent dosing (injection moulding), the colouring process is carried out fully automatically with volumetric chamber dosing for the entire time granulate is supplied to the screw, with the main component being added via a free feed device. Therefore, when the product is changed, there is no mixed material in the machine. Changes to the dosing values can be noted immediately on the product. Dye or material changes can be carried out quickly, cleanly and without tools. The controller component is integrated in the machine housing. All you need is a 230 V power connector and a zero-current pulse.

### Type KEM / AZ

**for throughputs up to 200 kg/h  
shot weights of 2 g to 10 kg**

KEM and AZ flange – a device for direct material dyeing in every plastic processing. The unit is suitable for three components. The detachable dosing unit provides a steplessly adjustable dosing and thus guarantees absolutely identical colour hues.



*Type KEM with AZ / Z 12*

### Type KEM / AZ with two stations

**for throughputs up to 200 kg/h and  
shot weights of 2 to 10 kg**

Up to two different components can be processed with this device. Other possible additives apart from masterbatch are propellants, antistatic agents and flame retardants.



*Type KEM with AZ 3 / Z 5*

### Type KEM / AZ 3

**for throughputs up to 150 kg/h and  
shot weights of 2 g to 2 kg**

A good value device for dosing one additive component. Suitable for a dosing station. In a swivelled back position even the masterbatch can be weighed.



*KEM-Ma / AZ / Z 12 and SV 2*

## Type KEM-Ma / AZ

**for throughputs up to 500 kg/h and  
shot weights of 2 to 10 kg**

A direct dyeing machine for the highest material throughputs. Unlike the standard version, the new variant features an agitator in the storage container. This allows even sharp-edged ground material with poor flow properties to be fed evenly without bridging in the storage container.

A convenient slide below the mixer allows dye or material changes to be carried out quickly and cleanly and without tools.



The KEM control system is available with four different programs:

- **two for injection moulding machines**
- **two programs for extruders**

You enter the shot weight and the percentages for the colour and the control system calculates the feed rate. You can switch between speed-dependent control and independent in cycle during extrusion. Furthermore, it is possible to store up to 20 different recipes.



*KEM, TmA 8, Z5, AZ flange: a direct colouring device with two-component-hopper loader for virgin material and regrind – processing in the central conveying system*