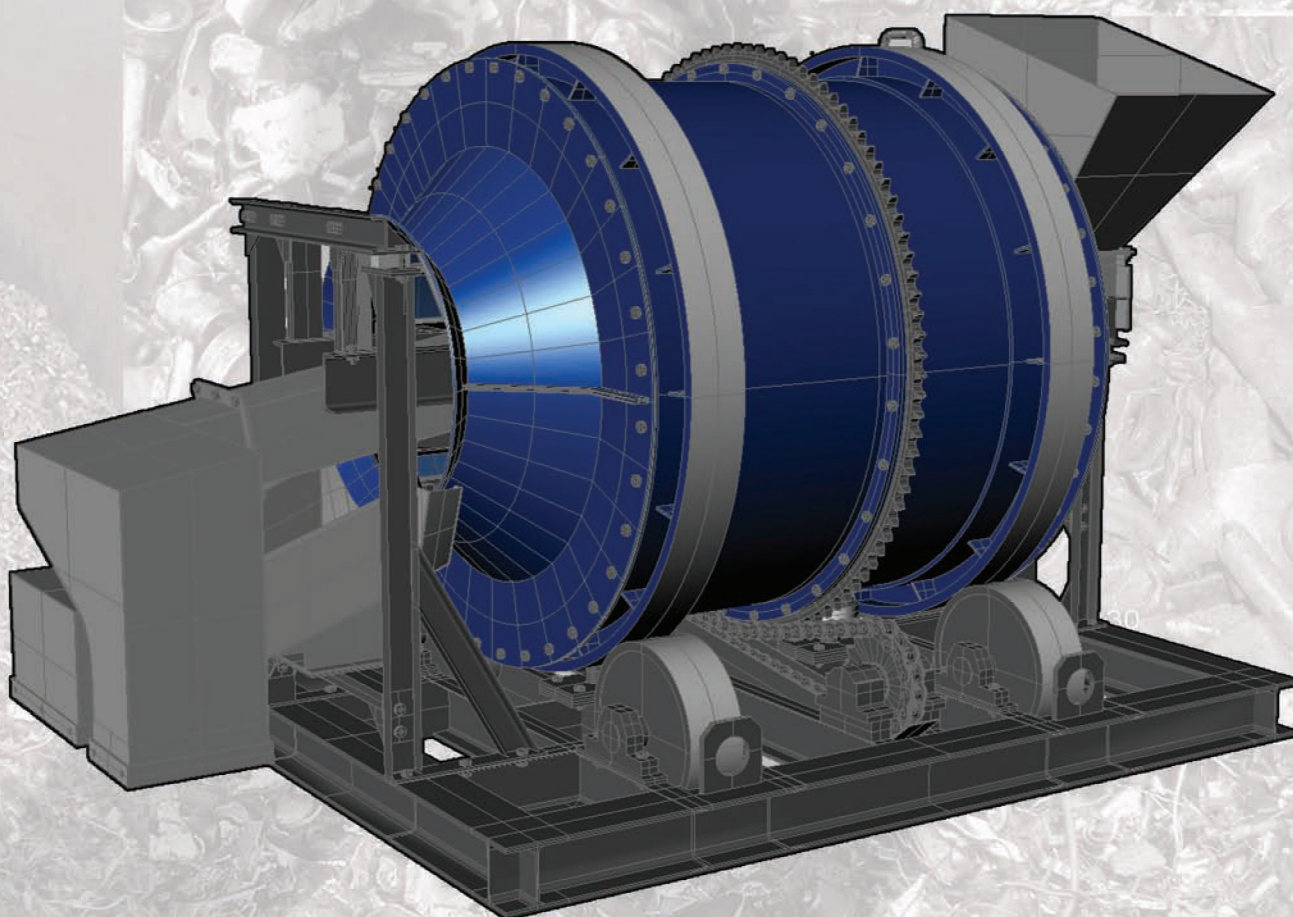


# INCINERATOR SLAG METALS TREATMENT BY USING THE SINGLE DENSITY DRUM SEPARATOR



ONE MACHINE TWO PRODUCTS



Metals from Incinerator Slag (5 up to 120mm)

Washing Sistem

Washed Materials

Water Treatment

Separation

Cakes

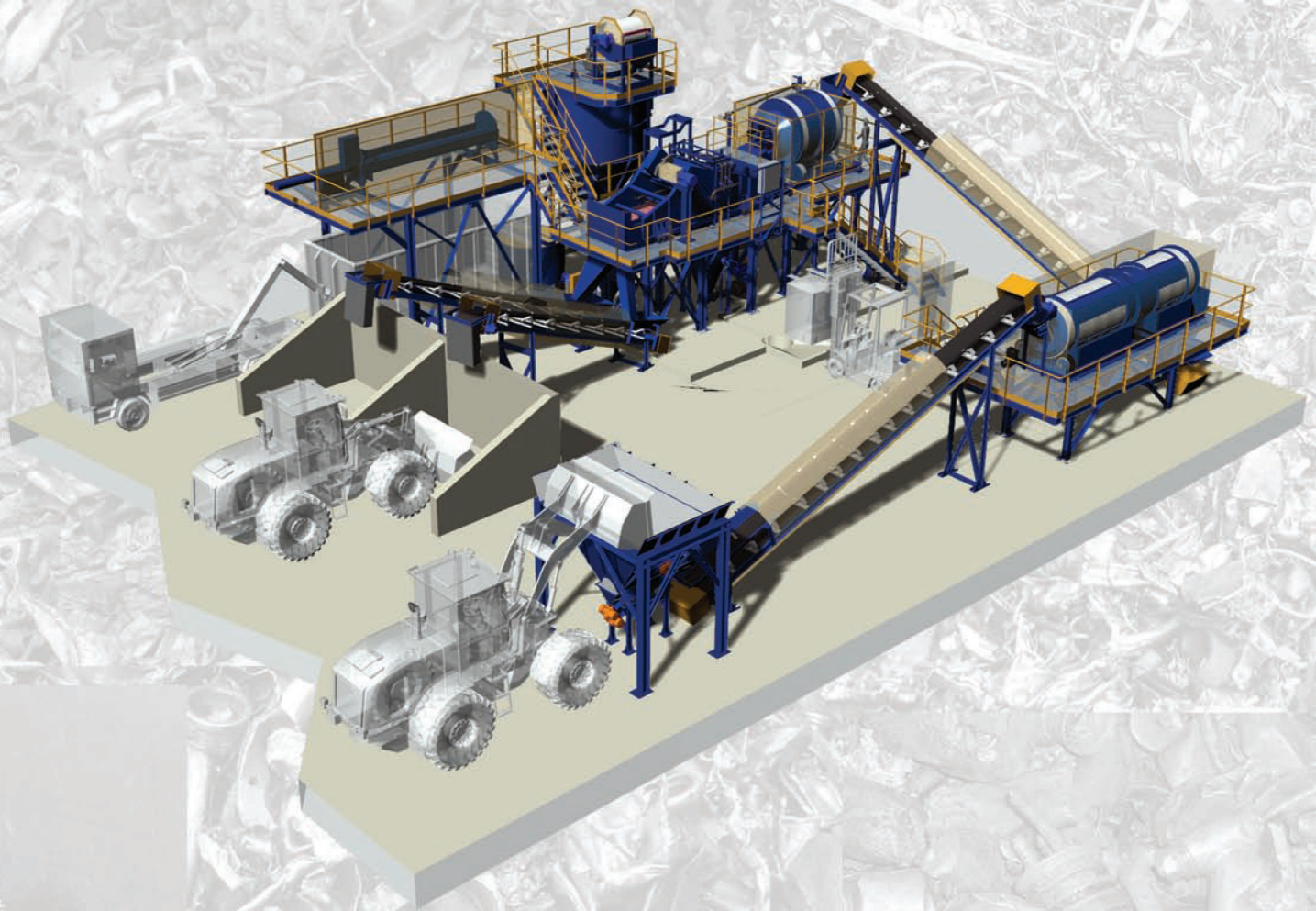
Clear Water



FLOAT  
ALUMINIUM

SINK  
HEAVY METALS

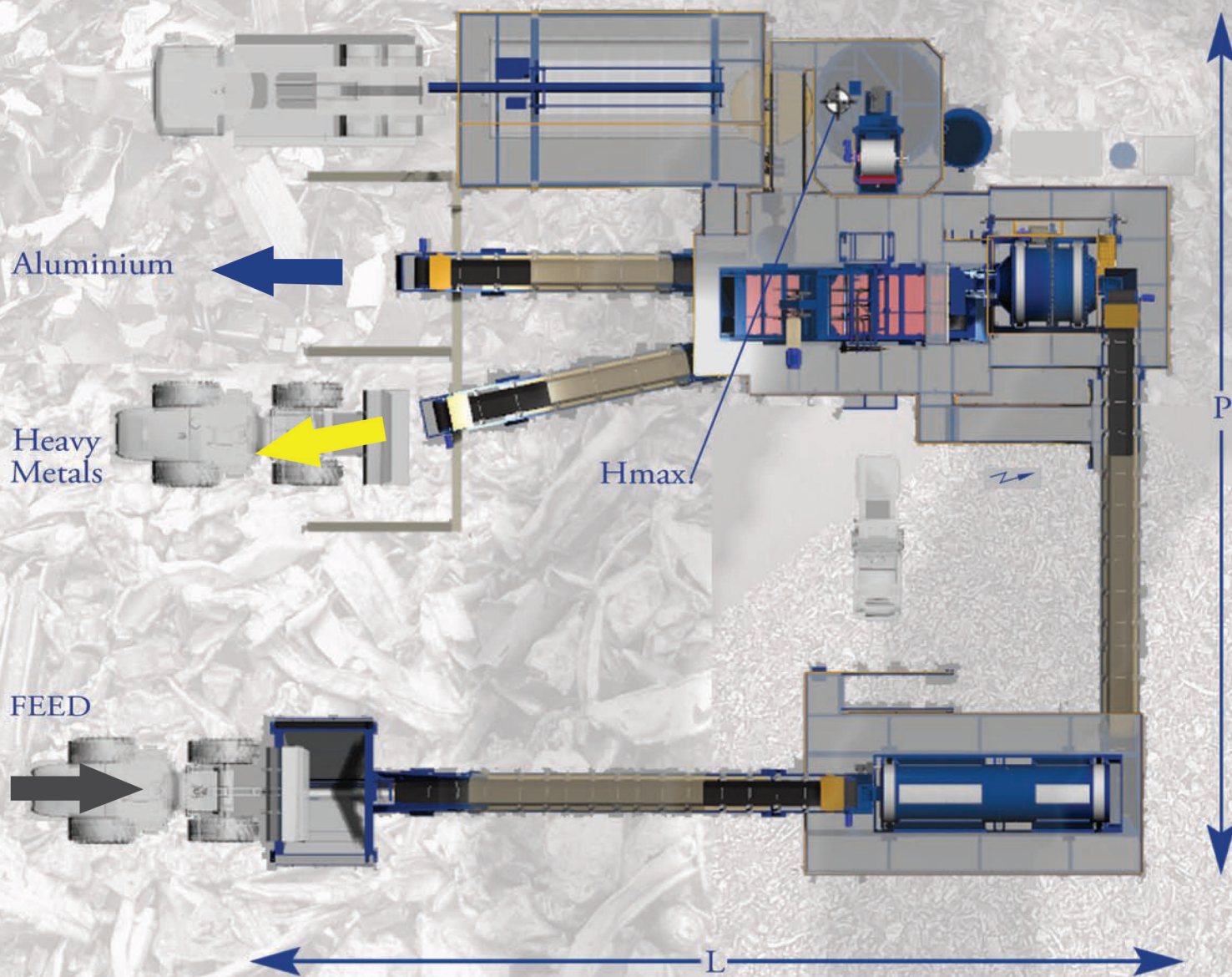




## THE PROCESS

Among the various residues from waste incineration there is the heavy slag formed by unburnable waste containing, in addition to glass and other inert materials, metals, ferrous and non-ferrous, such as Aluminium, steel, Copper and brass. The incinerator slag treatment process requires the use of eddy current separators and sensor-based sorters for the concentration of the metals and the Heavy Media plant for the separation of Aluminium from the other metals. The type of separator used for the treatment of these metals is the single-density Drum used to separate the Aluminium from heavy metals. The use of the Double Density Drum is not necessary because Magnesium, which must be separated from Aluminium, burns during the incineration and for this reason is not present in this material. These metals contain a high quantity of fine dust which must be removed before entering the Heavy Media. Protec provides its own complete Sink-Float plant fitted with prewash drum and sludge treatment plant. This type of application requires a high separation density obtainable with a mixture of water and Ferrosilicon.





Drum size	L	P	H	Feed Capacity
Ø 2m x L 2m	22 m	20 m	8,5 m	Up to 10 Ton/h
Ø 2,4m x L 2,4m	24 m	22 m	10 m	Up to 20 Ton/h

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