

One machine - multiple applications.



image 1 **Manufacturing of
engineering plastics.**

image 2 **Processing of PVC.**

image 3 **Manufacturing of TPE.**

image 4 **Manufacturing of
master batches.**



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APPLICATION
MACHINE
TECHNOLOGY
OPTIONS
DATA

STS.Compounder.

> THE ECONOMICAL COMPOUNDER. SOLID QUALITY AT AN ENTRY LEVEL PRICING. <





image 1 Strand die head.

image 2 Twin-Screw compounder principle.

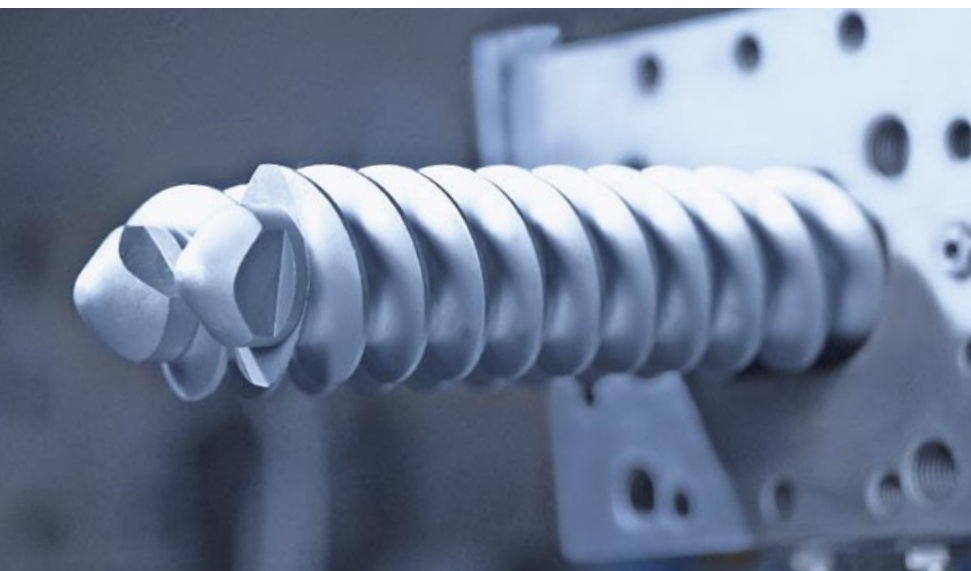
The STS Compounder is a quality product from Coperion that stands out due to its high performance, low investment cost and quick return on investment. The STS Compounder is ideal for users who wish to compound smaller to medium-sized quantities at a maximum speed of 600 rpm. The compact machine has a user-friendly and easily maintained control concept. Some of its key components such as the gearbox or safety coupling are manufactured in Europe. The STS Compounder with

its combination of high-tech components and tailored building block is the ideal machine for entry level compounders, with a unique price/performance ratio. The twin screw compounder is designed for a wide range of uses in the plastics industry:

- _Production and processing of engineered plastics
- _Manufacture of master batches
- _Processing of PVC products on the STS Standard Two Stage version.

Solid compounder performance, low investment cost.

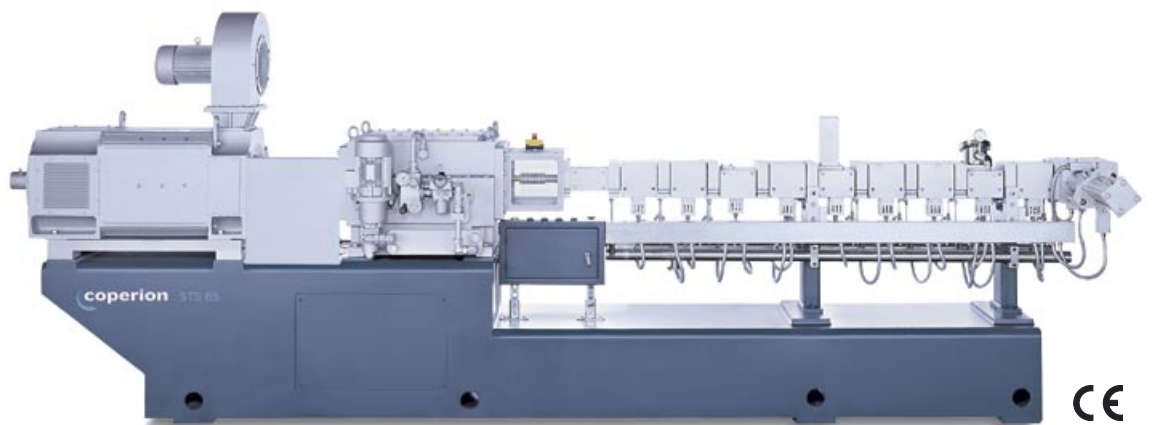
> BENEFIT FROM THE PROCESS TECHNOLOGY KNOW-HOW OF THE MARKET LEADER WITH THE STS COMPOUNDER. <



> BEST PRICE-PERFORMANCE RATIO. HIGH QUALITY COMPONENTS. EASY INSTALLATION AND OPERATION. EUROPEAN SAFETY STANDARDS. <



image 1 Cooling manifold.



The STS Compounder provides a number of features that make production more economical, safer and considerably simplify the handling. The screws are co-rotating, intermeshing and have a self-wiping profile which make a product change quick and easy.

A wide selection of screw elements opens up a broad spectrum of processing possibilities,

including production of special products. The modular principle allows various L/D ratios and spare parts can easily be exchanged. The individual barrel sections have wear liner protection (optional), which also allows easy and low-cost replacement of worn items. A number of options such as the side feeder are also available.

Features for safe and economical production.

Technical data

Standard Twin-Screw

STS		35	50	65	75	95
Screw diameter	mm	36	51	63	71	92
Screw speed	rpm	60-600	60-600	60-600	60-600	60-600
Motor output	kW	30	90	160	250	545
Throughput approx.	kg/h	80-150	300-450	500-750	800-1,200	1,200-2,500

Standard Two-Stage

STS		50-150	65-180	75-200	95-250
Screw diameter					
Twin Screw / Single Screw	mm	51/150	63/180	71/200	92/250
Screw speed	rpm	60-600	60-600	60-600	50-500
Motor output	kW	90/22	160/45	250/55	450/75
Throughput approx.	kg/h	300-500	350-800	500-1,200	1,500-2,600