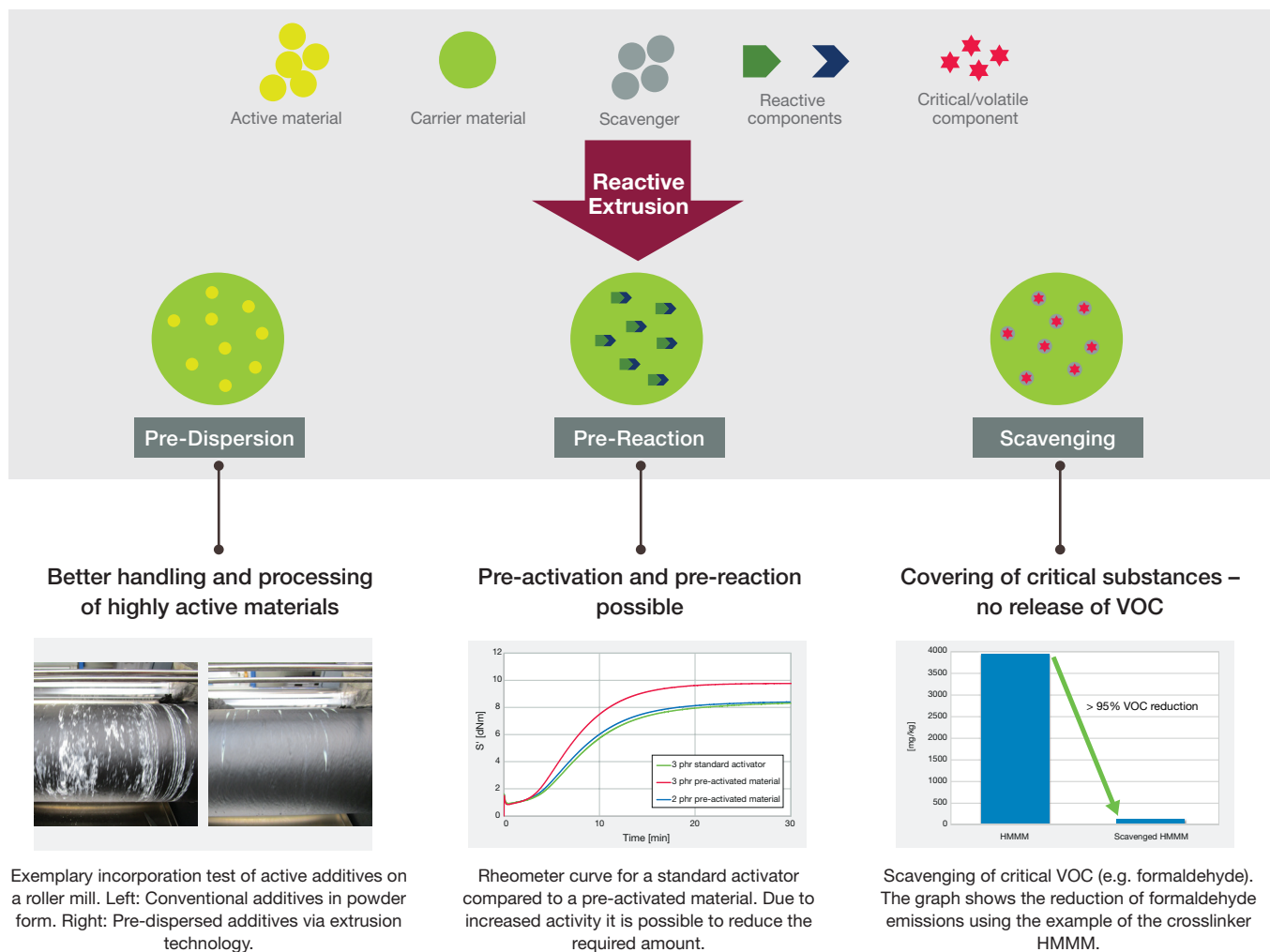


Materials for easier rubber mixing using reactive extrusion technology

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Reactive extrusion technology offers access to pre-dispersed, pre-activated, dust-free and ready-to-use materials. It also allows the scavenging of critical substances, e.g. formaldehyde. Users benefit from the combination of technical, commercial and ecological advantages.



Exemplary incorporation test of active additives on a roller mill. Left: Conventional additives in powder form. Right: Pre-dispersed additives via extrusion technology.

Rheometer curve for a standard activator compared to a pre-activated material. Due to increased activity it is possible to reduce the required amount.

Scavenging of critical VOC (e.g. formaldehyde). The graph shows the reduction of formaldehyde emissions using the example of the crosslinker HMMM. > 95% VOC reduction

	Powder	Prepacks	Rubber batched materials	Reactive extrusion technology materials
Dust-free	-	+	+	+
Handling/automation	-	(+)	+	+
Agglomeration prevention	-	-	+	+
Pre-dispersion	-	-	+	+
Broad compatibility of carrier	n. a.	(+)	(+)	+
Pre-reaction	-	-	-	+
Covering of critical substances	-	-	-	+

