



 symphony™

by  **Axens**  
IFP / Group Technologies



## The next generation of higher performance reforming catalysts

Based on more than 100 years of accumulated experience Axens has developed Symphony™, the next generation of higher performance reforming catalysts born from a harmonious orchestration of expertise designed to yield superior performance and greater client satisfaction.

Axens' recent acquisition of Criterion's reforming business has allowed for unprecedented synergies between superior catalyst support technologies and superior multi-metal formulation technologies.

- Improved hydrothermal **Stability\*** (CCR applications) and increased cycle length (Fixed bed applications).
- Without **Activity\*** loss.
- Remarkable improvement of unit **Profitability**.
- **Improved Selectivity\***: higher  $C_5+$  yields over entire range of product octanes and higher aromatics yields.

**Given the above-mentioned benefits, you don't need to wait for your catalyst end-of-life to switch to our cost-effective Symphony™ in order to improve your bottom-line profits.**

*\* Compared to previous generation of reforming catalysts (PS 40, PR 30, PR 15).*

## CCR Reforming






 **symphony™**  
PS 100 ●

 **symphony™**  
CR 157 ●

## Fixed Bed Applications



	Cyclic	SR&CY	Semi Reg.
Name	P 152	PR 150	PR 156
Re / Pt	Mono-metallic	Balanced	Unbalanced
Stability	●	●●	●●●
S tolerance	●●●	●●	●
	 <b>symphony™</b> P 152 ●	 <b>symphony™</b> PR 150 ●	 <b>symphony™</b> PR 156 ●



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