



- He is now looking forward to using it in full production.
- Profilium 58 would bring a better clean
- Profilium 58 works at a faster cleaning rate
- We have to assess the benefits and actual cost saving

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## SUCCESS STORY Gunderson Gimsa, Mexico **PROFILUM 58**

The customer was looking for a better standard of clean and more control of profiles, he came to us for a suggestion and we introduced the Profilium Range.

The outcome was that the customer was very happy with the results and said "This is what I want".

**He is now looking forward to using it in full production**

**The objective** of our visit was to show how **the Profilium 58** can **bring better results with regards to cleanliness and surface profiles than that of the current media of GL 50.**

Preparation : the preparation of the trial was to conduct a blast test on a virgin piece of steel, that is used to form the **body of the railcars for Gunderson**. Having set up in the blast room, we marked off a surface area on the plate that was to be used for blasting using both types of abrasives.



The test : we used a hypodermic needle gauge that gives us the required velocity of airflow in PSI (or bar). We measured the current airflow pressure at the nozzle.

By having less number of turns we reduced the flow rate **by 32%**, as we knew **the Profilium 58 would bring a better clean, and we achieved a greater surface area of blasted steel .**

Results obtained cleanliness :

The standard of clean of the GL 50 was that of a Sa2 to Sa2 1/2

The cleanliness of the Profilium 58 was Sa2 1/2 to Sa3

**Cleanliness under magnification (x30)** : The GL 50 shows there to be remnants of scale and grease when viewed. The profilium 58 showed it to be fully cleaned of scale and grease.



Some tests on profile have been realised (Rmax, Ra, Rz) - ask for the full technical report.

**The test results proved that the Profilium 58 works at a faster cleaning rate and can bring the added benefits of a desired profile and cleanliness that is acceptable to the requirement of Gunderson Gimsa. To develop the results in full production, we need to evaluate the current blasting parameters and costs.**

**It would then be possible to introduce the Profilium 58 for a period trial to assess the benefits and true and actual cost savings that can be made.**

