



## Comer Industries & Atlas Weyhausen



*“Quality and precision:  
characteristics, that highline  
our partnership.”*

Mr. Evgenij Lemin  
Atlas Weyhausen GmbH

### Atlas Weyhausen GmbH

Atlas Weyhausen GmbH is an independent, traditional German company and one of the major producers of high quality compact wheel loaders and soil compactors. At present, the name of the machines, which were produced in the north of Germany since more than 50 years, is **weycor**.  
[www.weycor.de](http://www.weycor.de)

#### Atlas Weyhausen's needs: an innovative partner to develop advanced drive solutions

Atlas Weyhausen was searching for a new potential supplier for the complete drive train of the new designed compaction roller type AW1070. The project's goal was defined: the new drivetrain should be very strong, durable and allow a high ratio as well as compact dimensions at the same time. The design of the transmission features several product families such as wheel drives, planetary drives and axles. In all product lines, Comer Industries has wide experience and major OEMs of road construction machines use the company' drive solutions.

#### Comer Industries' Solution

To rotate the drum in the front, a planetary drum drive PGRF-802 was the best choice. This drive combines high torque capability with compact design. For the rear part of the transmission, a combination of two Comer Industries' advanced products is working together: planetary gear PG-161 is fitted to a F-128 axle. The total ratio of planetary gear at axle input, axle differential and planetary gear at the hubs is available from 47.6 up to 90.3. The axle is as option fitted with a preloaded limited slip differential or No Spin differential. This guarantees an efficient traction on different grounds.

#### Concrete Results

By mounting the planetary gearbox as well as the hydraulic motor at the differential level, less space is needed, compared with the standard drop box solution. All single components of the drivetrain are geared perfectly to each other. Comer Industries' complete driveline solution for soil compactors enables an improved fit between the hydrostatic and the mechanical part of the transmission, minimizing the total cost and featuring compact design and highest ratio available.