

FABER HAS MASTERED ALL THE TECHNOLOGIES TO DESIGN EFFICIENT AND SAFE GAS CYLINDERS.

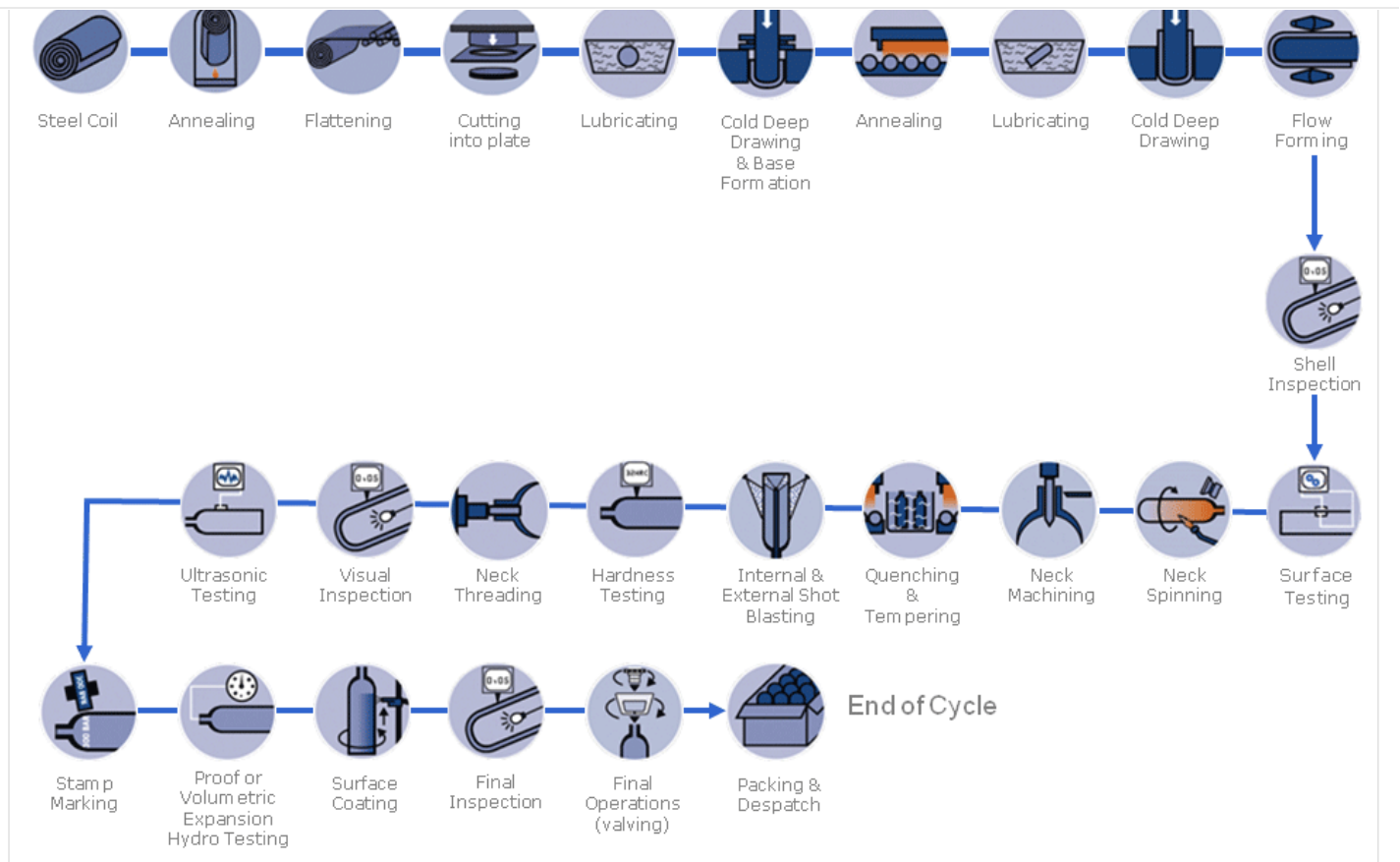
Steel and Composite Cylinders

Faber has the unique capability to produce its high quality seamless gas cylinders from all of the three stock material sources. The choice made depends on whichever is the most suitable process: from plate or from billet or from tube. The entire production process is controlled by Faber and performed in-house in one of our own dedicated plants. This ensures that Faber is capable of offering the right cylinder at a price that best fits the needs of our customers.

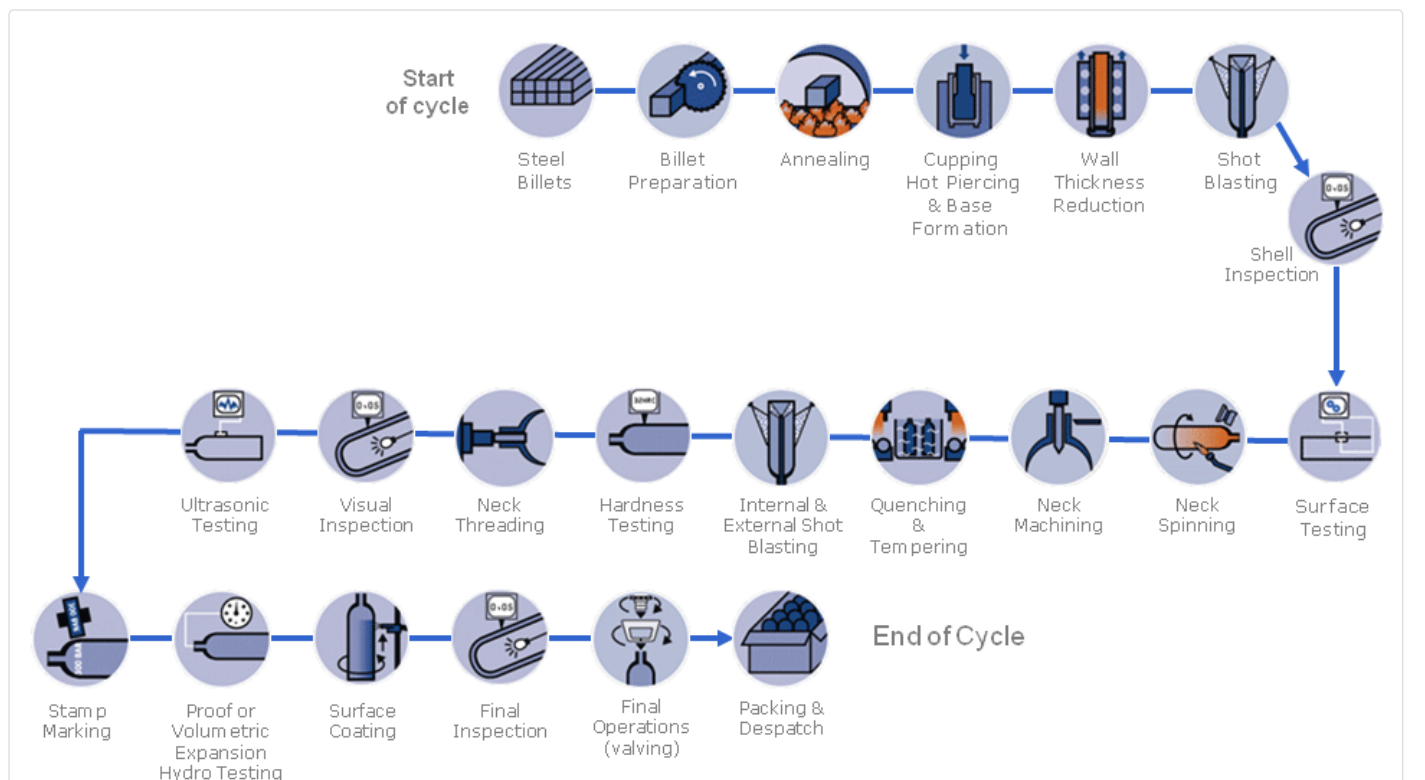
- ✓ Production from STEEL PLATE
- ✓ Production from STEEL BILLET
- ✓ Production from STEEL TUBE

Faber is the only one in the world that uses the three production technologies: tube, billet and plate metal. This allows us to produce one and two hundred-liter capacity cylinders with operating pressures of up to 1100 bar (generally the pressures of most gas use vary from 100 to 300 bar). Higher pressures are mostly required, in recent applications for compressed hydrogen. With the same technical characteristics, Faber's cylinders are the lightest in the world among steel cylinders. However, there are applications for which the steel cylinder is not light enough or because of the very high design pressure or portability. In such cases it is necessary to use composite materials. These can vary depending on the weight to be achieved and the price that the customer and the application can support. The composite cylinders produced have a thin seamless steel liner wrapped with glass fiber or carbon fiber depending on the application.

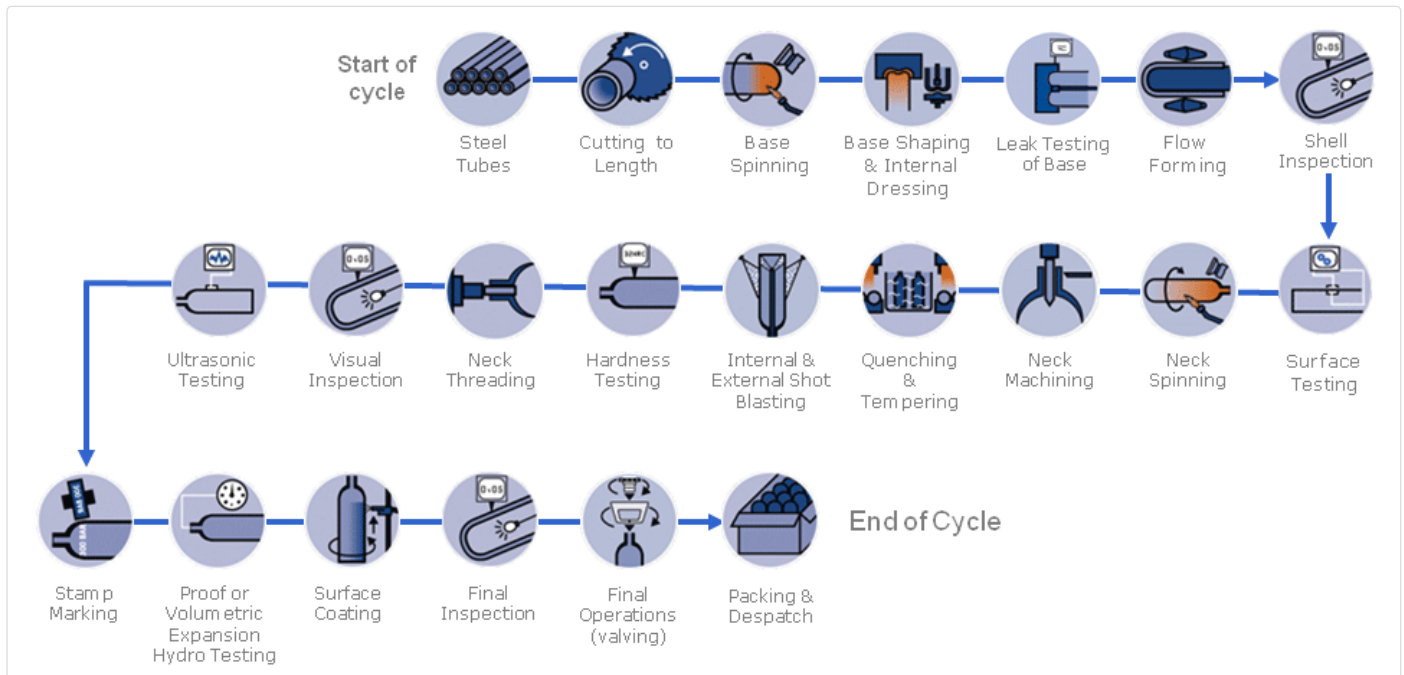
PRODUCTION CYCLE FROM COIL PLATE



PRODUCTION CYCLE FROM BILLET



PRODUCTION CYCLE FROM TUBE



COMPOSITE CYLINDER PRODUCTION CYCLE

