

Husqvarna Jubilee – 50 years in chainsaw production

There are few outdoor power equipment companies that have achieved the success that Husqvarna has. This year marks 50 years since Husqvarna launched their first chainsaw in 1959. As global leaders in many outdoor product fields, Husqvarna enlightens us on their dynamic, winning formula:

Husqvarna AB is one of the world leaders in outdoor power products for forests, parks and gardens, as well as products for the construction industry.

As one of the oldest companies in the world Husqvarna, a Swedish company founded in 1689, has an extensive product range with everything from professional machines to products for demanding consumers. The head office is located in Huskvarna, Sweden, where approximately 1 800 of a total of 2 200 employees work in the areas of high-technology research, product development, production and marketing. Husqvarna is represented in more than 100 countries by approximately 18 000 dealers around the world.

The wide product range is based on professional requirements and demands of reliability, performance and user-friendliness. Husqvarna also takes an environmental approach to production and product life cycles. A holistic approach has been developed that affects the entire operation from production methods, packaging, noise and utilisation of materials to the energy consumption, exhaust emissions and finally the recycling of the products.

The dynamic product development and comprehensive range has made Husqvarna a world leader in their field.

From the conception phase and the drawing board, all the way to sales and service, Husqvarna work with five key words in mind. These five words are Husqvarna's core values and our aim is for you to experience them every time you come in contact with us and our products:

- Efficiency
- Reliability
- Professionalism
- Environmental responsibility
- User-friendliness

Chainsaw history

A number of chainsaw manufacturers claim to have built the first chainsaw some time in the 1920s, however the fact is that as early as the first decade of that century, a chainsaw driven by a water-cooled marine engine was presented for the first time. Of course the chainsaws of that time had very little in common with those of today.

Husqvarna started manufacturing chainsaws in 1959, so we can't claim to have manufactured the first one, but we can claim to have created the classic modern chainsaw as we know it today.



Husqvarna 90 – Husqvarna's first chainsaw, launched in 1959

The next big step in chainsaw development was in 1969 when Husqvarna presented Type 180, the world's first chainsaw with integrated vibration dampening.

The saw became the concrete example of Husqvarna's philosophy of focusing on the work situation of the user.

The Husqvarna Type 180 set the standard for a series of new Husqvarna models and for all the other chainsaw manufacturers.

Timeline

- 1959 Husqvarna begins manufacturing chainsaws.
- 1962 Husqvarna launches the 70, a lighter and handier saw. Until now chainsaws have only been used for felling and crosscutting. With a lighter saw it becomes possible to de-limb as well.
- 1964 – 65 Husqvarna develops the 65. This saw is a great success and Husqvarna becomes a force to be reckoned with. The status of Husqvarna chainsaws grows.
- 1969 Many forestry workers suffer from decreased circulation in their hands and fingers, as the vibrations from the chainsaw can cause white finger. Husqvarna develops a new saw, the 180, which has lower vibration levels than other saws on the market.
- 1973 Husqvarna develops the first ever made chainsaw with an automatic chain break, the 140.
- 1975 The 162 is developed for professional users, based on the principles of the 180 and 140.
- 1976 Husqvarna have several saws for professional users, therefore two saws for occasional users are developed – the 40 and 61. They are simplified versions of the 140 and 162.
- 1978 The Rancher 50 is developed with the farmer and occasional user in mind. The saw is a success and is currently still in production as the 455 Rancher.
- 1980 Husqvarna launches its first saw with a crank case of composite material – the 40. It is now possible to produce saws that are both lighter and handier.
- 1983 Husqvarna releases the 154 – a light, professional saw with a number of plastic parts.
- 2000 357XP, a powerful, fully professional limbing chainsaw, goes into production.

Chainsaw technical innovations

Always working at the forefront to make the user's working conditions safer and less straining has made us the pioneers of safety, efficiency and ergonomoy.

Double action chain brake

The world's first double action chain brake was a unique development to minimise the risks of an uncontrolled kickback. The chain brake is both activated mechanically by



Husqvarna 450 marks 50 years of chainsaw excellence



HUSQVARNA CHAINSAWS 50 YEARS

The 50 year Jubilee logo is represented by a guidebar cutting into a log of wood

the wrist and by the inertia from the movement of a kickback. Today this type of chain brake is required by safety authorities all around the world.

E-TECH and the world's first catalytic converter saws approved for use all over the world

The fuel-efficient E-TECH engine technology helps to greatly reduce the temperature of the catalytic converter and reduce exhaust emissions compared to earlier, conventional catalytic converter-equipped saws. As a result Husqvarna's E-TECH saws are the first catalytic converter saws approved for use all over the world.

Air Injection

Husqvarna's unique patented Air Injection system is a two stage air filtering system. The first stage separates most of the saw dust from the intake air by the centrifugal force formed by the cooling fan. The secondary filter is of traditional type. This means that you can work much longer between filter cleanups. This is truly an advantage, both for your own, as well as the engines, efficiency.

LowVib

The principle of Husqvarna's unique vibration dampening system is based on the inertia between two masses. In a Husqvarna chainsaw this means that the mass of the entire handle system acts as a counter balance. When the rest of the saw is isolated from the handles by steel springs, the result is an outstanding reduction of vibrations. This principle is basically the same with all Husqvarna power equipment featuring LowVib, like brushcutters, hedge trimmers, etc. In reality this means you can work much longer with less fatigue and strain, increasing productivity.

X-TORQ

Husqvarna's X-TORQ engine design increases torque over a wider rpm range, providing increased cutting power and lower emissions.

With an optimal combination of professional performance and user focus, Husqvarna products give you efficiency, satisfaction and quality results.

