

ORACLE  
Red Bull  
RACING



# FACTORY TOUR

## MILTON KEYNES





Our trophies tell their own story; six double Formula 1™ World Championships, 7,000+ Championship points, 110+ Grand Prix victories and counting – and all in a compressed time frame, quicker than anyone else. As we embark on an exciting 2024 season, we invite you to join us on a journey through the beating heart of our operation.

Formula 1™ is a secretive world and we guard those secrets closely: very few people get to see what goes on behind the mirrored glass walls of the Red Bull Racing Technology Campus. You can be one of those few. In limited numbers, we're offering a truly incredible opportunity to go behind the scenes and tour our factory, witnessing the evolution of a Formula 1™ car as it travels from concept to final assembly.

The process operates like clockwork – it has to. Our tour is designed to present the inner workings of the machine, taking in the various developmental stages, all the way to the point where thousands of components are brought together in our race bays to create the Red Bull Racing RB20.





Where do cars go when the season finishes?

Until recently the answer to that question was rather depressing: most of our retired models were embalmed in plastic and stacked on shelves. Today, however, we do something rather more spectacular. MK-7 houses many of the cars from the RB1 to RB16B, showcasing engineering evolution over the years but also the continuity of design that is threaded through our heritage. Looking at the cars side-by-side is a brilliant way to see how F1™ design has evolved over our 20 years in the sport.

The cars on display aren't mock-ups: they're the genuine article with real grand prix provenance, presented in an appropriate livery and racing specification, and all with stories to tell. They chart the history of the team and give our guests a really close look at some all-time F1™ classics.

The tour begins at the very end, with the finished product in MK-7, as you get up close and personal with our work, you'll be provided with light refreshments and have the chance to meet your Red Bull Racing host for the day, and chat with the rest of your tour group.





The Heritage Team look after our three running show cars that are used for events all over the world, from filming projects in the Australian outback to show runs on the streets of Guadalajara via some doughnuts on the top of the Burj al Arab in Dubai. The running show car events bring our Formula One™ cars with their screaming V8s closer to the public, some of whom may never have the chance to attend a race.

Over the years the team has adapted the championship winning RB7s and RB8s, so the once pedigree track machines can now run in all conditions on city streets or snow and ice if needed. The show runs and filming projects present various challenges that always keep the mechanics on their toes, for example modifying the fuel system to work at high altitude or working late into the night to fabricate some snow chains.

While the running show cars are out at events the team keep the fleet of ex-race cars that now reside in the MK-7 museum in concourse condition, showcasing Red Bull Racing's almost 20-year history in Formula One™. This is as well as looking after the long list of static cars that move around the world to different exhibitions and events.





# THE OPERATIONS ROOM

The Operations Room (aka Ops Room) is an amazing place, the ultimate control room. Despite being located deep inside the Factory it fulfils a crucial trackside support role for the Race Team. With a real data link to the Team and the car on-site, the Operations Room is filled by three teams of engineers advising on race strategy, aero performance and vehicle dynamics.

The Operations Room provides remote engineering support to any track in the world. Three groups – race strategy, aero performance and vehicle dynamics – help the Race Team get the best from the cars all from the heart of our Technology Campus in Milton Keynes and you will get to see it in all of it's glory.





Our factory is at the cutting edge of engineering, though Formula 1™ has room for art as well as science. While computer simulation has an ever-increasing significance in the sport, we still rely on wind tunnel data to fine-tune our aerodynamic designs. The wind tunnel relies on 60 per cent scale models, lovingly produced in our model shop, and our model makers prepare everything from tiny component details up to full car replicas. These are, quite simply, the best model cars you will ever see – though don't be offended if the staff hastily throw a sheet over anything that's classified above top secret.





Almost everything on the RB20 is manufactured right here in our very own machine shops and composites facilities. These workshops operate around the clock, turning out an endless stream of new components, destined for the race bays or, in a real emergency, directly to an airport and onwards to the far-flung corner of the world where the race team is waiting for it. Everything from the smallest machined screw to a full carbon composite monocoque can be manufactured by our skilled team of machinists and fabricators.

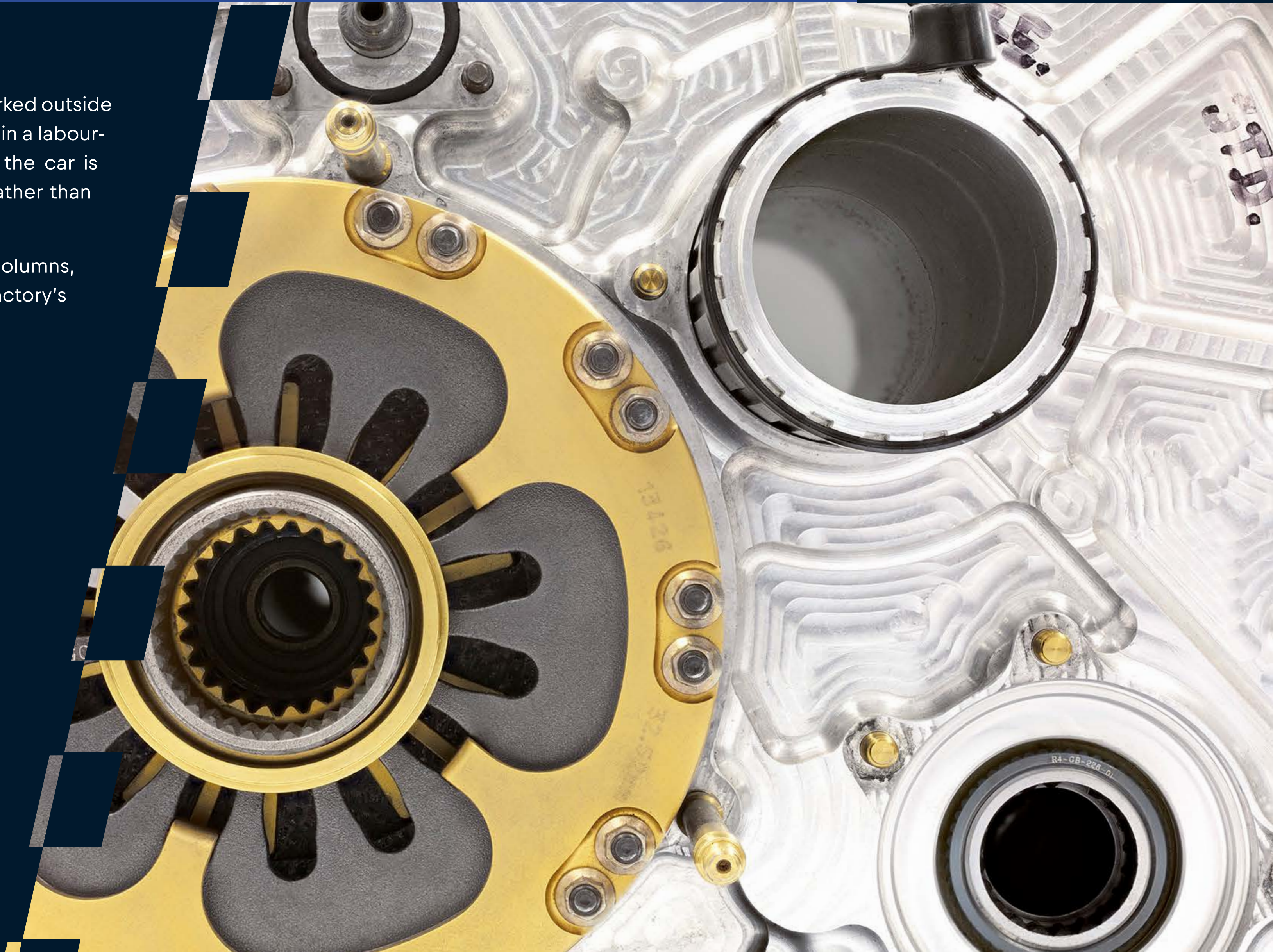
They win races just as surely as precision overtaking or brilliant pitstop work – because the constant design cycle is worthless if the parts can't be manufactured at the same pace.





In common with military vehicles and very much unlike anything parked outside a supermarket, an F1™ car is designed to be repaired at high speed in a labour-intensive operation. In a job where the clock is always ticking, the car is constructed, where possible, from hundreds of sub-assemblies rather than thousands of component parts.

Our sub-assembly workshop builds up items such as steering columns, suspension uprights and brake hubs, ready for installation in the factory's race bays or in the garage by our trackside mechanics.





The final tour stop is the bit everyone looks forward to\*. Depending on the timing of your visit, the race bays may have Max and Sergio's RB20s on the floor, either being stripped after the previous race or prepped for the next.

If the race team are otherwise engaged, there's every chance of seeing a spare chassis in build – but even if the RB20s are out, the race bays never rest: there may even be one or more of our Live Show cars preparing for its next outing, or the race crew using our mock-up of the pitbox and a mule vehicle for pitstop practice.

At the end of the tour, you'll receive a special memento of your day at Red Bull Racing – but we like to think you'll also depart with a deeper understanding of the massive undertaking that is getting a car onto the starting grid of a grand prix... and getting it home again with a trophy.

\*Subject to availability





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THANK YOU

