

# ***WHY THE NEED FOR **MXP** SUSPENSION?***

## **The Basics**

One of the most overlooked aspects of increasing a rider's performance is suspension. A rider may have the fastest bike with incredible performance, but if the bike cannot be controlled properly or the rider fatigues prematurely, all other performance enhancers are lost. The lack of properly understanding how a high performing tailor-made suspension directly improves traction, control, and comfort cannot be overlooked. Once the decision has been made to confront the issue of suspension, then and only then can the total performance package be delivered.

## **The Manufacturer's Role**

Unfortunately manufacturers cannot address suspension to meet the needs of an individual rider seeking superior performance. Manufacturers mass-produce suspension that must cover a wide variety of riders, conditions, and tracks. Let's say for example, a manufacturer's suspension must be capable of carrying a 105 lb rider on a sand track, to a 300 lb rider on a hard packed super cross course. Based upon this truth, the need for a tailor-made suspension becomes clear.

## **The Goals**

The goals of riders, racers, and motorcycle enthusiasts are really the same. How can they maximize control, performance, and safety while delivering the highest level of enjoyment, comfort, and benefit?

## **The Variables**

The bike, suspension, application, rider, and conditions are not all the same. They vary in many different ways. How the bike, suspension, and the rider respond depends largely upon how accurately all these factors have been assessed. In building the best suspension tailored for the individual, the suspension company must look at each of these variables separately and then address them as a whole.

- *The Bike.* What make, type, and year of bike will be used?
- *The application.* What types of racing will the suspension and bike encounter?
- *The conditions.* Under what type of conditions will the bike be raced and ridden?
- *The Rider.* How much does a rider weigh? What are the rider's height and their ability? What are the rider's strengths and weaknesses?

## **The Decision**

Once a decision is made to customize a suspension, the choices of who will perform the work will be crucial. Often the choices available to the customer can be

misleading, un-informing, and fundamentally incorrect. Suspension shops and producers are not all alike and vastly differ in many ways. The majority of suspension providers and approaches fail to address the complete formula that deliver the best solution to meet the specialized needs of the individual.

### **Meeting the Need**

Quality, innovation, and service are the cornerstones of MOTO-XPERTS. We separate ourselves from the pack in many ways.

- *Quality.* MXP and its associates are committed to ensuring that even the most basic aspects of suspension are performed correctly with a laser like focus to detail. From the way we finish a nut, to clean a part, quality and integrity will never be compromised.
- *Innovation and Design.* Building upon three major suspension philosophies, MXP looks closely at which aspects prove effective and which could be modified to produce a superior hybrid approach, thereby vastly improving suspension and its performance. After many years, and hundreds of hours of research, MXP has produced a working platform for the continual improvement of suspension and its applications.
- *Service.* From the initial customer inquiry, to the customer consultation process, Mx-Tech and its associates are dedicated to your complete satisfaction.