

# B1K

BATTING A THOUSAND

— THE —  
ULTIMATE PLAYING  
EXPERIENCE  
FOR ALL AREAS  
OF THE FIELD

shaw<sup>®</sup>  
SPORTS TURF 





# BASEBALL IS AN AMERICAN TRADITION

THAT HAS STOOD THE TEST OF TIME.

**T**hanks to Shaw Sports Turf's revolutionary synthetic turf system designed to the specific needs of baseball, the game surface is evolving. Artificial isn't a forgotten option anymore. **B1K: Batting A Thousand** ushers in a new generation of turf and along with it the next level of playability. Now really, let's play ball.

For this purist game, the approach is different than other sports. Each area of the field is meant to have different playability characteristics. At Shaw Sports Turf we have dedicated ourselves to researching high-end fields and how athletes perform on them to develop artificial turf systems that play true in all areas of the field.

## LEADING THE LINEUP

ORDER	#	PLAYER	POSITION
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1

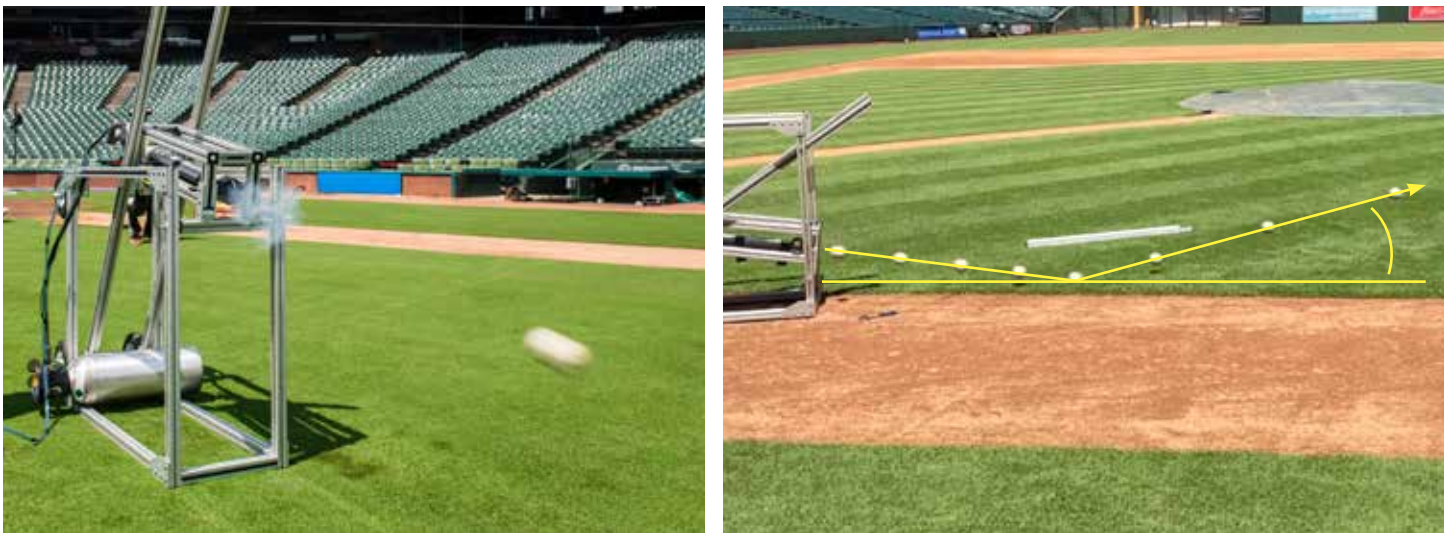
Shaw Sports Turf is the **ONLY** company in the synthetic turf industry with over 5 years of research and collecting data specific to our baseball systems. Focusing on athlete, surface, and game science, we design fields that not only play like natural, but play like the surface the game should be played on.

RESEARCH 1

# SURFACE PERFORMANCE

Comparing both natural grass and synthetic turf field characteristics, Shaw Sports Turf set out to develop a method with baseball organizations and academic partners to evaluate a baseball fields' playability. Using a specially designed cannon to replicate ball speeds and angles off the bat and off the surface, different types of data such as ball roll, pace and bounce were collected using high speed cameras along with other surface testing equipment.

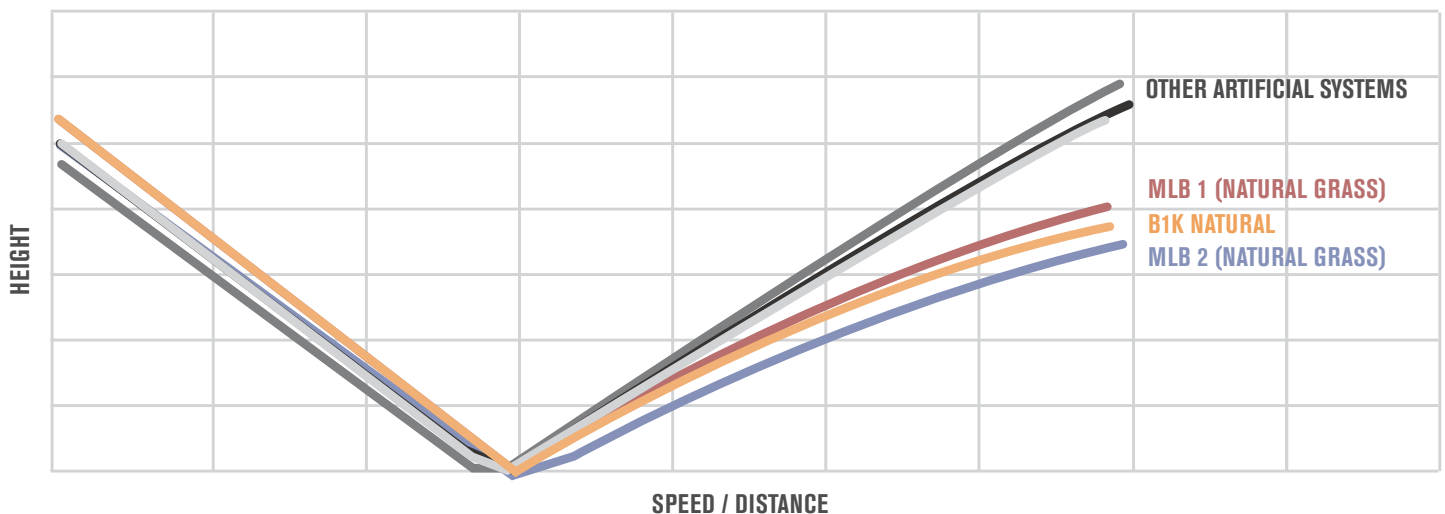
Compiling this data on a multitude of different fields, both collegiate and professional, set up an ideal playing surface benchmark for designing our systems.



SHAW SPORTS TURF'S SIGNATURE BASEBALL CANNON LEADS THE WAY AS AN INNOVATIVE BENCHMARKING TECHNIQUE. WE TEST FIELDS WITH OPTIMAL PLAYABILITY TO RAISE THE BAR FOR OUR NEW GENERATION OF BASEBALL TURF, B1K.

## BASEBALL BOUNCE DIFFERENCE

between natural & artificial system options





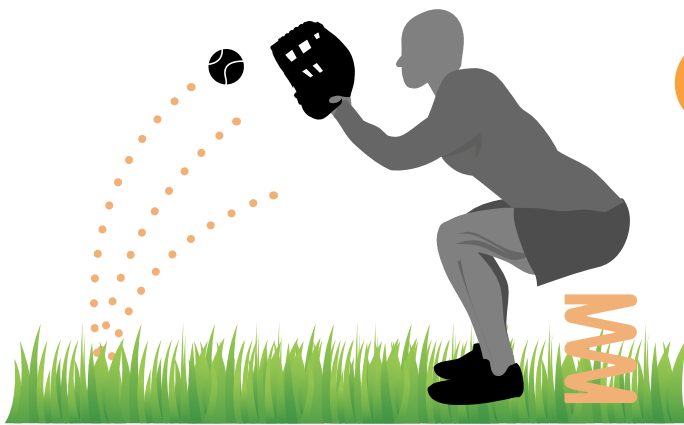
RESEARCH 2

# ATHLETE PERFORMANCE

Playability isn't just about the surface alone; it's also about an athlete's interactions with it while performing the movements required by sport. Working with our university research partners, we were able to study those very movements in detail. Attaching sensors to record and analyze athletes on several different surface types, multiple synthetic systems as well as natural, revealed how the body reacts to each of them. For the benefit of the player, the surface should provide less energy rebound and less leg stiffness.

### OTHER ARTIFICIAL SYSTEMS

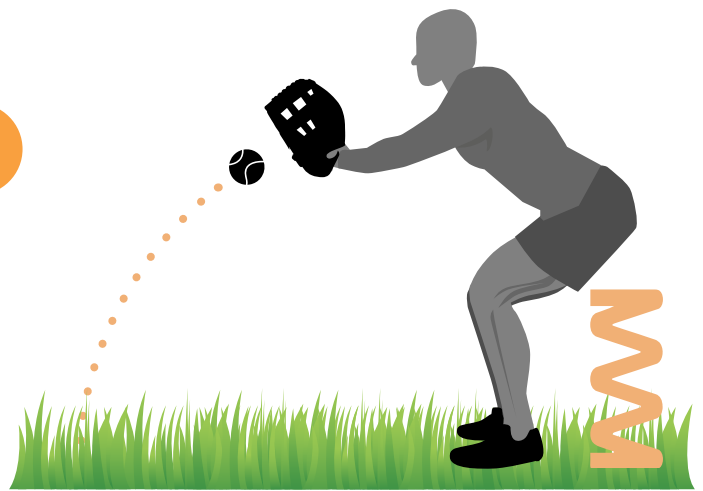
MORE REACTIVE STATE GUESSING THE BOUNCE OF THE BALL | LESS SURFACE CONFIDENCE  
MORE TENSION/ADJUSTMENTS REQUIRED IN POSTURE (FEET/LEGS)



VS

### B1K NATURAL

MORE PROACTIVE STATE APPROACHING THE BALL | MORE SURFACE CONFIDENCE  
MORE NATURAL POSTURE & LESS TENSION IN LEGS



PLAYING ON A SURFACE TAILORED FOR BASEBALL PROMOTES MORE NATURAL PLAY. A MORE CONSISTENT BALL BOUNCE ALLOWS PLAYERS TO FIELD HITS MORE NATURALLY WHILE A FIRMER SURFACE MINIMIZES FATIGUE AND SORENESS.

RESEARCH 3

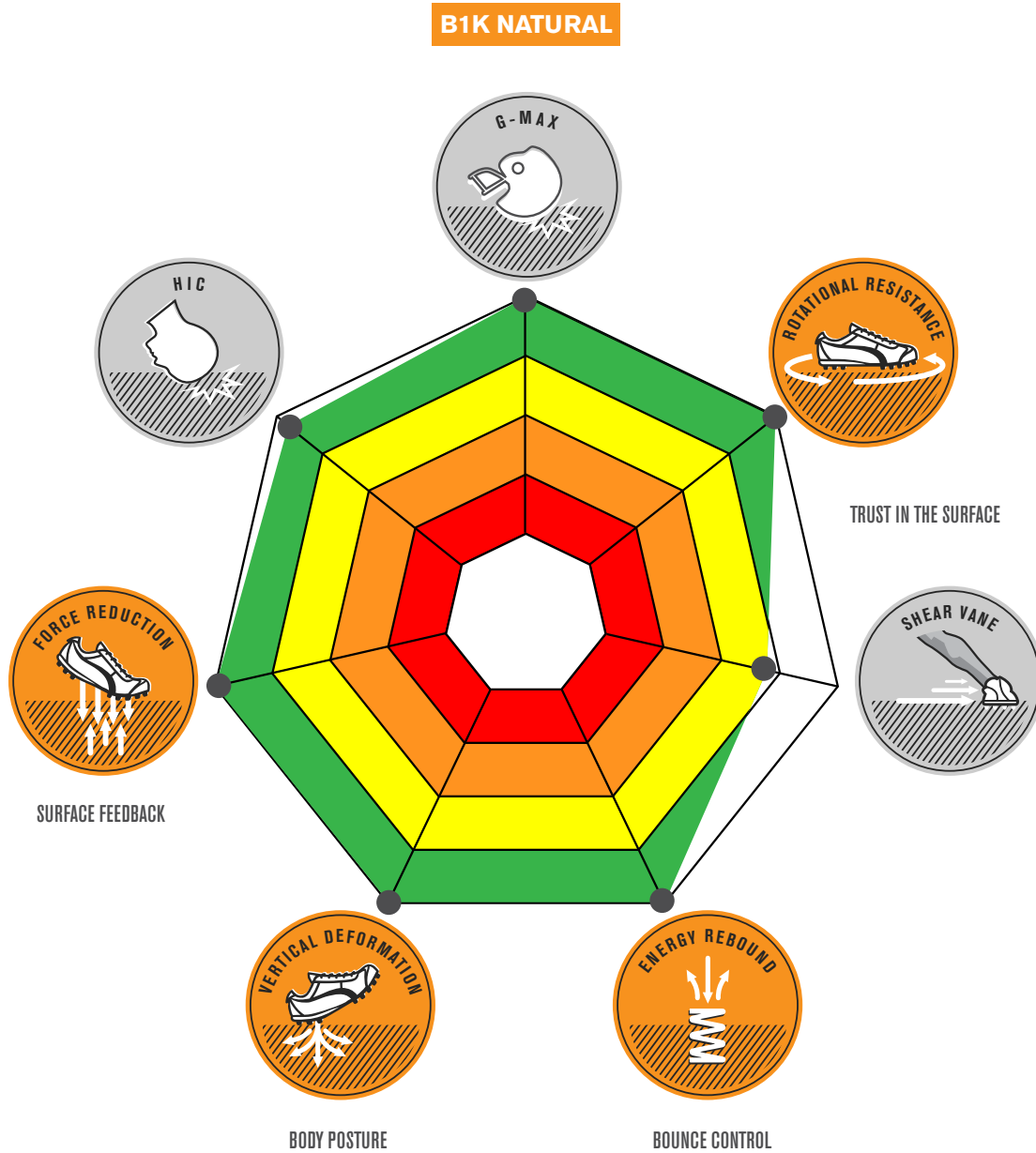
# KEY FACTOR: ENERGY REBOUND

The key component found was energy rebound, or the amount of energy return from the surface upon impact, is a factor in performance. Not only does it affect the angles and trajectory of the ball based on surface type, the amount of energy rebound factors into an athlete's confidence of step. The quicker and easier it is for the body to find a balance, the better the athlete performs.



# PLAYABILITY ASSESSMENT

Shaw Sports Turf's Playability Tool is a visual representation of data collected through a battery of standard tests that score a field based on how it measures on each. Research shows that what's important to one sport's performance, may not be as important to another. In the graph seen here, the better the field tests in the orange highlighted criteria, the better it is for baseball.



TAKING THE RESULTS FOUND FROM ALL OF THIS DATA, B1K WAS CREATED AS A COMPREHENSIVE BASEBALL SOLUTION DESIGNED FOR **HIGH-END PERFORMANCE.**



# B1K: A PRODUCT OF THE RESEARCH RESULTS

## WARNING TRACK

### TRUTRACK

a solution that can be heard & felt when approaching the wall

## OUTFIELD

### TAG UP

a hybrid product with a natural, well-manicured aesthetic

## SKINS

### SIX4THREE

using a sturdy fiber construction for added durability around the bases, a product that mimics the characteristics of clay

## INFIELD

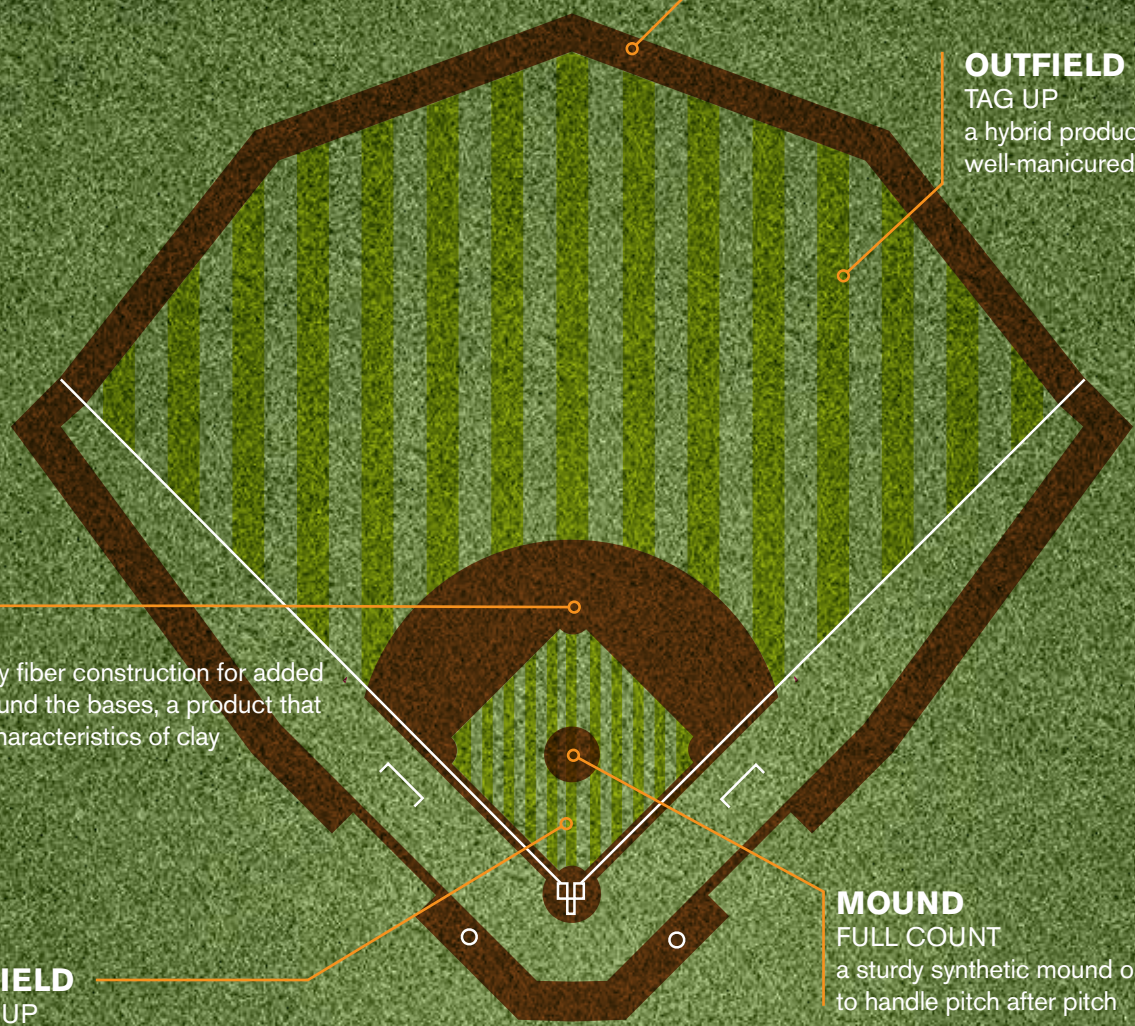
### TAG UP

a hybrid synthetic product with a natural, well-manicured aesthetic

## MOUND

### FULL COUNT

a sturdy synthetic mound option to handle pitch after pitch



PRODUCT	WARNING TRACK <b>TRUTRACK</b>	CLAY/PLATE <b>SIX4THREE</b>	MOUND <b>FULL COUNT</b>	INFIELD (GRASS) <b>TAG UP</b>	OUTFIELD (GRASS) <b>TAG UP</b>
<b>B1K NATURAL</b>					
INFILL	NATURAL	NATURAL	NATURAL	NATURAL	NATURAL
PAD REQUIRED	YES	YES	YES	YES	YES
<b>B1K DOUBLE PLAY</b>					
INFILL	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
PAD REQUIRED	YES	YES	YES	YES	YES
<b>B1K</b>					
INFILL	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
PAD REQUIRED	NO	NO	NO	NO	NO