

**BUCKMAN
BEAMHOUSE
& TANYARD
SYSTEMS
(BBTS)**



**MAXIMIZE
WETBLUE
CONSISTENCY**

and processing
efficiency.

Rely on BBTS—
Buckman
Beamhouse &
Tanyard Systems—
for hide and skin
processing.

The processing of
raw hides and skins
to wetblue is the
foundation of good
leather making.

Without a consistent wetblue
of good quality, you put customer

satisfaction and sales at risk. Without a reliable process,
efficiency is lost, production is hampered and costs rise.
Without sustainable processing, the very future of your
business could be at stake.

Buckman understands. That's why our comprehensive
Beamhouse & Tanyard Systems (BBTS) are designed to bring
to your operation the consistency, reliability and sustainability
you need to produce superior leather and achieve
greater profitability.



Consistent. Reliable. Sustainable.

We address the entire process.

Making leather on time, on spec and within cost constraints requires an integrated process that balances chemical, mechanical, and operational procedures. Buckman Beamhouse & Tanyard Systems address not just products but all areas to help maintain that balance. We provide specialty chemicals that can level out the differences in raw materials and reduce variations in batch processing. And we offer unsurpassed expertise and technical support to help solve processing problems, enhance safety and reduce environmental impact—all of which can reduce costs and improve your bottom line profitability.

Look to Buckman for:

Greater product consistency
Buckman can help you achieve:

- Cleaner and flatter pelt after unhairing
- Improved area yield
- Uniform characteristics through the hide

Better process reliability

With BBTS, you'll see:

- More rapid and uniform penetration of chemicals
- Reduced processing time
- Safer processing

Improved sustainability

Buckman can help your operation:

- Reduce the use of harmful chemicals
- Improve effluent characteristics
- Realize potential for recycle and re-use of process waters

Buckman Green

Our Color. Our Commitment.

At Buckman we take our global citizenship seriously. In fact, we have established Buckman Green, a comprehensive approach to environmental stewardship, social leadership and financial responsibility. By producing greener chemistries and energy-saving solutions, Buckman is finding the sustainable path forward for ourselves and our customers.

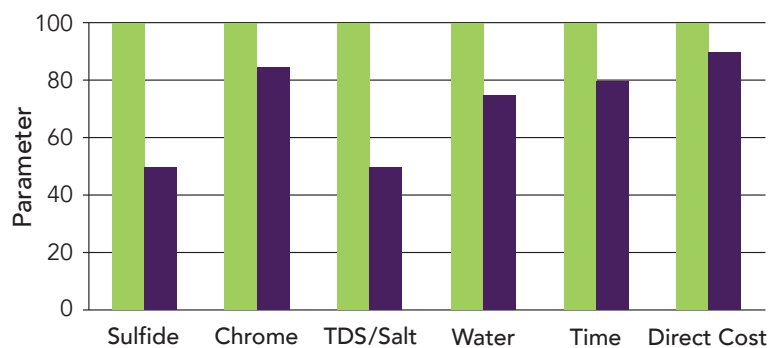
Learn more

If you are ready to ensure the quality of your wetblue and make the entire process more efficient, contact your local Buckman representative, or visit us at buckman.com.

Not just consistent wetblue, but consistent savings too.

Shown to the right are results from tannery trials where BBTS changes were implemented.

Case Histories—BBTS Savings



Depend on Buckman Beamhouse & Tanyard Systems in these key performance areas:

KEY PERFORMANCE CRITERIA	BBTS LEADING PRODUCTS AND TECHNOLOGIES
SOAKING	
<ul style="list-style-type: none"> Uniform rehydration to aid penetration of process chemicals Removal of salt, dirt, soluble proteins Protect against microorganism damage 	<ul style="list-style-type: none"> Patented enzyme formulations for rapid and uniform soaking Unique penetration enhancers for all kinds of hides Comprehensive soaking aids and wetting agents
DEGREASING	
<ul style="list-style-type: none"> Penetration into hydrophobic regions of the hide or skin with uniform removal and dispersal of fats, waxes and oily materials Process optimized through all process steps 	<ul style="list-style-type: none"> Broad line of degreasers and emulsifiers, free of NPE Unique lipase emulsifier system Wetting agents
UNHAIRING / LIMING	
<ul style="list-style-type: none"> Removal of hair and epidermis in hair-save or hair-burn process Opening up of collagen, separation of microfibers Elimination of scud, fine hair Uniform layout Balance of area yield versus fullness 	<ul style="list-style-type: none"> Enzymatic and non-enzymatic unhairing agents Unique penetration enhancers Swelling control agents Slip agents
DELIME / BATE	
<ul style="list-style-type: none"> Removal of excess lime, sulfide and water Achieve desired grain properties - cleanness and softness 	<ul style="list-style-type: none"> N-free or low-nitrogen specialties for lime removal and pH adjustment Microbial bating enzymes
PICKLE & TAN	
<ul style="list-style-type: none"> Preparation for tanning Chrome penetration and fixation 	<ul style="list-style-type: none"> Low-acid, low-salt systems and products Chrome fixation agents Basifying agents
EFFLUENT & WASTE HANDLING	
<ul style="list-style-type: none"> To meet local requirements To meet environmental goals 	<ul style="list-style-type: none"> Chemical selection, equipment and process parameters that can significantly reduce volume and complexity of waste discharge

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Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. D210H (07/18)

Argentina +54 11 4701-6415; Australia +61 (2) 6923 5888; Belgium +32 9 257 92 11; Brasil +55 (19) 3864-5000; Chile +56-2) 2946-1000; China +86-21) 6921-0188; India +91) 44-2648 0220
Indonesia +(62) 21-2988 8288; Japan +(81) 3 6202 1515; Korea +(82) 31-416 8991; Mexico +52 (777) 329 3740; Singapore +(65) 6891 9200; South Africa +27 (31) 736 8800; United States +1 (901) 278-0330

Global Headquarters at 1256 N. McLean Blvd., Memphis, TN 38108, USA