

B&D INDUSTRIAL

Custom Material
Handling Solutions



SERVING INDUSTRY SINCE 1947



INDUSTRY DESIGNS

CUSTOM CREATIONS

THE BEST ACCESSORIES

The needs of specific industries have guided B&D to produce some of the boldest and most useful designs in the US.

ABOUT US

70+ YEARS OF MATERIAL HANDLING SOLUTIONS



Bulk material handling is about moving large quantities of dry-type material safely and efficiently from one location to the next step of the process. B&D started in the mining industry with several well-known mills being our first customers in 1947. Our designs, born in Georgia, have been installed all over North America, transporting sand, gravel, stone, minerals, ores, wood chips, and cotton.

Because these systems are the critical backbone of operations, companies need to partner with someone local like B&D with the resident experience, knowledge, and skills to design and deploy solutions. B&D offers full-service and goes far beyond just designing and planning new systems; we repair and upgrade existing vintage or under-performing equipment.

- SCREW CONVEYORS
- DRAG CONVEYORS
- STACKERS
- HOPPERS
- BELT CONVEYORS
- BUCKET ELEVATORS
- IIOT/MONITORING
- SAFETY SOLUTIONS
- MOTORS & VFDS
- AUTOMATION
- ROTARY LOCKS
- DUMPERS
- RECLAIMERS
- LOADERS
- DIVERTERS

#KEY PARTNERS

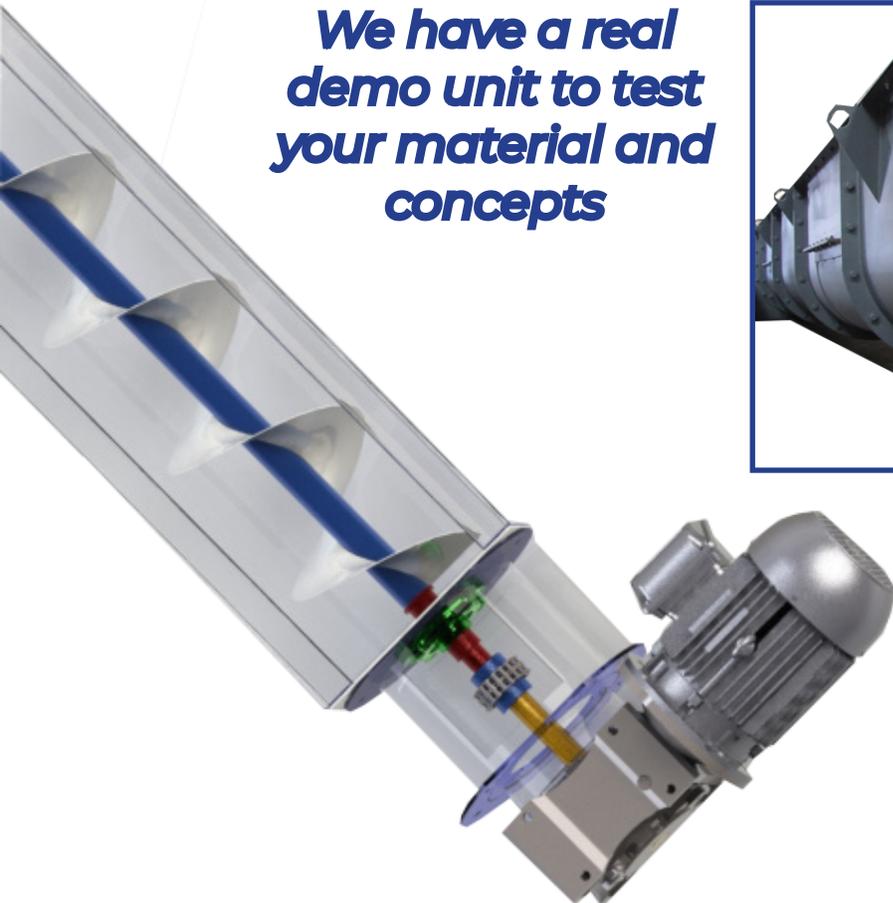
WE ONLY WORK WITH THE BEST IN OUR DESIGNS



#KEY SOLUTION - SCREW CONVEYORS

STANDARD AND CUSTOM DESIGNS - CEMA AND BEYOND

***We have a real
demo unit to test
your material and
concepts***



INDUSTRY MATERIALS

**SAND, GRAVEL, STONE, MINERALS,
ORES, WOOD CHIPS, COTTON, ASH,
PELLETS, JUST TO NAME A FEW**

SCREW CONVEYORS ARE AS OLD AS ARCHIMEDES; HOWEVER, THERE IS NOT A GREAT DEAL OF INFORMATION OUT THERE. THE REASON BEING IS THAT THOUSANDS OF CONFIGURATIONS AND APPLICATIONS TOO NUMEROUS TO LIST EXIST AS POSSIBLE SOLUTIONS. THAT IS WHERE WE CAN HELP. OUR DESIGNS START WITH THE FOLLOWING FEATURES AND OUR EXPERIENCE PROVIDES THE REST:

- ◇ MAXIMUM UTILITY
- ◇ BEST QUALITY AND COMPONENTS
- ◇ ONLY AS COMPLEX AS THE APPLICATION REQUIRES
- ◇ EASE OF INTERACTION WITH THE REST OF THE SYSTEM
- ◇ LOW MAINTENANCE
- ◇ GOOD DOCUMENTATION



#KEY SOLUTION - BUCKET ELEVATORS

CONTINUOUS AND CENTRIFUGAL DESIGNS

BUCKET ELEVATORS ARE OFTEN THOUGHT OF AS JUST MECHANICAL FROM A DESIGN PERSPECTIVE, HOWEVER THERE ARE THREE PARTS TO THE DESIGN:

- 1.) MECHANICAL DESIGNS BY B&D EXPERTS IN CONSULTATION WITH MAJOR MATERIAL HANDLING MANUFACTURERS
- 2.) SENSORS FOR SUPERVISION OF BELT ALIGNMENT, BELT SLIPPAGE, BEARINGS, AND SAFETY
- 3.) B&D LAB TESTED VFDs AND MOTOR CONTROLS MADE FOR ELEVATORS

YOU HAVE SHOWN ME WHAT A STRONG PARTNER AND PERSISTENT EMPLOYEES CAN DO. I AM PROUD TO SAY THAT B&D HAS OUR BACK. THANK YOU AGAIN FOR YOUR HARD WORK AND DETERMINATION FROM START TO FINISH TO GET THE JOB DONE RIGHT. THANK YOU,
DAN R.

HERE WE GO AGAIN. YOU ARE SO FAST WITH YOUR RESPONSE THAT I HAD TO GO GET MY INHALER, SO I COULD CATCH MY BREATH. HAVE A GREAT DAY.
KEITH P.

THANKS FOR ALL YOUR HELP! IS YOUR NICKNAME "SUPERSTAR"! IF IT IS NOT IT SHOULD BE. IT TAKES TALENTED PEOPLE LIKE YOU TO GET SOMETHING ALMOST IMPOSSIBLE "POSSIBLE"
KEVIN N.

I JUST WANTED TO YOU GUYS KNOW IN THE LAST THREE MONTHS THAT I HAVE TAKEN OVER AS LOGISTIC SUPPORT FOR MAINTENANCE -- YOU HAVE DONE A GREAT JOB WITH COMPETITIVE PRICING, QUICK RESPONSE TIME, AND AWESOME ATTITUDES NO MATTER THE TASK. I APPRECIATE EVERYTHING YOU GUYS DO FOR US AND LOOK FORWARD TO CONTINUING TO WORK WITH YOU IN THE FUTURE.
JUSTIN A.



#KEY SOLUTION - BUCKET ELEVATORS

WE ARE NOT YOUR NORMAL DISTRIBUTOR

SENSOR AND CONTROLS:

1. BEARING TEMPERATURES
2. SPEED SWITCHES
3. BELT ALIGNMENT
4. CUSTOMIZED SENSORS BASED ON THE APPLICATION INCLUDING REMOTE MONITORING
5. SAFETY SYSTEM DESIGN TO BE COMPATIBLE WITH PLANT REQUIREMENTS



MOTOR CONTROLS:



Features:

- Powder-coated N4/12 enclosure
- External Advanced keypad
- Already programmed (Program 90)
- Lockable rotary disconnect and handle
- MSP/breaker protection
- SPD & 5% Line Reactor
- 250VA over-sized control transformer
- Filter fan(s) on larger models
- Hand-off-auto (HOA)
- Run and fault pilot lights
- Submarine Duty Speed Pot
- 120VAC interposing relay control
- UL508A & Drawings
- Fuseless design
- Two-year Warranty



LABORATORY TESTED



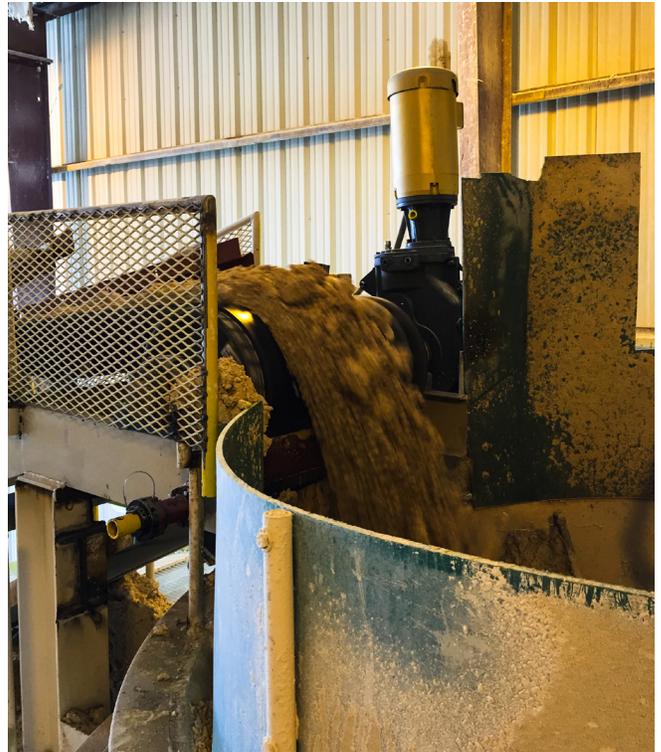
PROGRAM 90



2-YEAR WARRANTY

#KEY SOLUTION - BELT CONVEYORS

USEFUL AND ROBUST DESIGNS



THE TROUGHED CONVEYOR IS ONE OF THE MOST USED PIECES OF MATERIAL HANDLING EQUIPMENT IN TODAY'S OPERATIONS. THESE TROUGHED CONVEYORS CAN HANDLE ANY APPLICATION AND TYPE OF MATERIAL FROM 12" TO 60" WIDE WITH A CAPACITY OF UPWARDS TO 1,000 TPH. THE TROUGHED CONVEYORS USUALLY COMPRISE CONVEYOR BELTING RIDING ON HEAVY-DUTY TROUGHED IDLERS, EACH SECURELY MOUNTED ON STEEL STRUCTURAL FRAME. THE DESIGN CAN HAVE VARIOUS OPTIONS WITH UP TO 45 DEGREES OF INCLINE.



#KEY SOLUTION - DRAG & OTHER DESIGNS

DRAG CONVEYORS

B&D OFFERS COMPLETE DESIGNS OF FLAT BOTTOM DRAGS TO HANDLE CAPACITIES UP TO 31,876 CFH. THE PLANS EXTEND TOWARDS OF OVER 660 FEET WITH FEATURES INCLUDING THE CONSTRUCTION OF HEAVY-DUTY FORMED CHANNEL SIDES AND BOLTED BOTTOMS WITH COVERS. THE REPLACEABLE RAIL RETURN SYSTEM IS DESIGNED WITH A RAIL LINER WHEN WEAR IS A CONCERN. THE DESIGNS ARE ESPECIALLY SUITED FOR HANDLING FREE-FLOWING MATERIAL AS WELL AS TOUGHER SUBSTANCES WITH REQUIREMENTS OF FORGED CHAINS AND ADVANCED WEAR CONSIDERATIONS.



OTHER TYPES OF CONVEYORS



With our coverage of the Southeast, we service many industries and have for many years. Our folks understand mining, lumber, cotton, paper, and other industries requiring heavy duty equipment that moves product and materials. Let us help you decide what options are available to solve your problems and come up with solutions

WWW.BDINDUSTRIAL.COM

#INSTALLATION AND CONTROLS

MERGING MECHANICAL AND AUTOMATION

ONCE THE OVERARCHING MATERIAL HANDLING PLAN IS AGREED UPON – THE NEXT NATURAL STEPS ARE:

- ◇ DEMOLITION OF THE OLD EQUIPMENT
- ◇ INSTALLATION OF THE NEW EQUIPMENT
- ◇ INTEGRATED DESIGN – USING THE EXISTING PLC/DCS AND SYSTEM
- ◇ STAND-ALONE DESIGN – ADDING THE CONTROLS TO OPERATE THE SYSTEM
- ◇ TRAINING AND DOCUMENTATION

WE CAN CREATE COMPLETE SOLUTIONS FROM START TO FINISH.



**Designed, Engineered, and Built at the
Design Build Laboratory in Norcross, GA**

