

THE **Bomas** *Legacy*

Worldwide
acclaim
since 1959



**A Machining of Ceramics Story for
Materials Engineers**

And a taste of Sunday dinner at the Annese household



Content

• Prologue	3
• Timeline	4-5
• The Family Dinner	6-7
• Materials	8-9
• Capabilities	10
• MOR Bars	11
• Industries Served	12
• Epilogue	13



Prologue



How to fit the proverbial square peg into the menacing round hole. From kids in play school to sophisticated engineers, it's been the dilemma of the ages.

Maybe Bomas didn't solve that one, but we can machine a round specimen from a square supplied material... or virtually any compression specimen from virtually any shape billet... or any MOR bar from thin air... well that's an obvious exaggeration, but we machine so many MOR bars, it sometimes seems that way!

This is a story of the size and shape of things to come. And a taste of what to expect from Bomas Machine Specialties., Inc. And then there's Sunday dinner. Buon Appetito!



Chapter 1

Timeline

How the Years Have Passed

A JUNE MORNING, 1979

Joe Annese graduated from college. He had been working at Bomas “since forever,” as he put it, so his future role in management was inevitable.

A DAY IN DECEMBER, 1959

The machining of ceramics industry was relatively young and so was Pat Annese. That morning in December when he officially launched Bomas, he just wanted to be a success. The ensuing years proved him to be a pioneer.

A SPECIAL DAY, 1983

Here comes the bride! Joe Annese and Theresa Lynn Willey say “We Do.”



Timeline Continued

How the Years Have Passed

OCTOBER, 1998

Theresa Annese named
Vice President at Bomas.

SUMMER, 2015

Mark promoted to
General Manager.

OCTOBER, 1993

Joe Annese named
President of Bomas.

MAY, 2011

Mark joins Bomas
after graduating from
college, and now we're
3 generations strong.

SPRING, 2021

Joe Jr. answered his first
calling as a firefighter
rising through the ranks
becoming a lieutenant.
In 2021, he joined
Bomas part time and the
family legacy is more
secure than ever.



Chapter 2

The Family *and Sunday Dinner*

Over the years, discussions at our family dinner table remained much like everyone else. Who skinned his knee learning to ride a bike. High school football heroics. Who the boys have been dating. What Mark's young daughter, Adalynn, did yesterday. Planning Joe Jr's wedding. What's new with Mom and Dad.

As Mark and Joe Jr. got more involved in the family business, the talk often turned to goings-on at Bomas.





Joe Annese, President

Mark Annese, General Manager

These days we don't debate who hit the longest home run as much as who is better at Chevron Notching. Afterall, we do have a reputation to maintain.

The Bomas legacy was never a burden for the Annese family. In fact, it's been a badge of honor. I guess you could say it's that special pride in each other, and in our work, that keeps banter at the dinner table so much fun and challenges at the work bench so successful.

Anyone else ready for dessert?



Chapter 3

Materials

What's On The Menu?

If you're getting the idea that much of what our family does revolves around food, well you're not that far off.

We all laughed when Joe Jr. commented that the Bomas materials list reads like the menu at an exclusive restaurant for fussy engineers. "Lots of options," he said. "The only difference is at Bomas they bring their own food."

- Alumina
- Aluminum Nitride
- Boron Carbide
- Boron Nitride
- Composite Materials (CMC Materials)
- CVD Silicon Carbide
- Fused Silica
- Fused Quartz
- Glass
- Macor
- Mullite
- Sapphire (Industrial Ground Sapphire)
- Silicon
- Silicon Carbide
- Silicon Nitride
- Sintered & Reaction-Bonded Silicon/Carbide
- Zirconia



That comment was really more accurate than amusing because while we can obtain just about anything, most of our customers send us their own advanced ceramics and composite materials.



Chapter 4

Capabilities

Grilled, Broiled or Sautéed?

Continuing the menu analogy, one might say that everything we do at Bomas is 'Made to Order.'

Theresa often boasts about how we conform our machining methods to customer's materials and their unique specifications. She likes to say, "That's the type of restaurant that picky folks keep coming back to."

- Centerless Grinding
- Contour Grinding
- Diamond Core Drilling
- Gang Wheel Slicing
- ID & OD Grinding
- Large Diameter Slicing
- NC Slicing
- Slotting and Notching
- Surface Grinding of 4" x 4" up to 16" x 24"

Chapter 5

MOR Bars *Our Bread 'n Butter*

From the most exclusive big city restaurants to the most popular local diners, each has its own signature dish. At Bomas, it is without question our precision machining of MOR Bars. MOR Bars have become the appetizer that introduces discriminating engineers and price conscious buyers to Bomas. It's no surprise, really, that sooner or later they want to sample all the items on our menu.

When it comes to versatile machining, our family is very proud that Mark has become an 'industry master chef' (and guardian of all the secret Annese machining recipes).



Chapter 6

Industries Served *Meet the Regulars*

Materials and structural engineers, buyers, purchasing agents, R&D professors, quality control supervisors, you name it, are all regulars at Bomas. On any given day, you're likely to find any or all of them ordering from us.

They represent virtually every industry from around the corner and around the world. What they have in common is an appetite for great meals at fair prices!

Aerospace	Research Universities
Automotive	Semi-Conductor
Dental	Wind / Solar / Hydro
Electronic	Power
Government / Military / Defense	And other wear- applications for any industry
Medical	
Nuclear	



Epilogue

The Bomas Legacy is a true story.

It's about tradition, integrity and trust.

It's about modern innovation and old-fashioned service.

It's about personal attention and exacting technology.

It's about making great strides one ten thousandth of an inch at a time.

And oh yes, it's about family.

Direct all inquiries to:
Bomas Machine Specialties., Inc.
Since 1959

617-628-3831
www.bomas.com
jannese@bomas.com
mannese@bomas.com

