



AirAbrasionSystem



## AbraJet

PAINLESS, YET PRECISE  
DECAY TREATMENT.





## OUR VISION

Introduction of a new standard in conservative dentistry through painless and vibration-free decay treatment method.

## Problems we solve:

- ✓ **Elimination of pain** during decay treatment procedure (no anesthesia required)
- ✓ **Minimizing invasiveness** to healthy tissue
- ✓ **Elimination of** dental drill side effects:
  - **cracks** weakening the teeth structure
  - thermal tissue **irritation**
- ✓ **Elimination of drilling vibration and noise** negative impact on the dentist's musculoskeletal system and hearing



## Technology

**AbraJet** uses patented, high-pressure air abrasion technology.

The device acts on the caries with particles of hard abrasive powder accelerated by high pressured air.



# AbraJet vs dental drills

The method is more convenient for both the patient and the dentist in all aspects.

	Dental drill	AbraJet
Pain during the procedure	YES	NO
Anesthesia	YES	NO
Cooling requirement	YES ( temperature increase )	NO ( temperature decrease )
Vibration and noise	YES	NO
Side effects	YES - temperature gradient causes microerosion of tooth enamel - damage to the adjacent healthy tissue - negative influence on the dentists musculoskeletal system and hearing	NO
Procedure duration	ca. 20 min.	ca. 10 - 15 min.

# Product points of reference

Classic sandblasters



biofilm, stains and  
discoloration removal

Microsandblasters



extraorally: for dentures and  
implants preparation and  
cleaning

Sandblasters with adjustable  
modes



biofilm, stains, discoloration  
and light caries removal

Scalers with abrasion nozzle

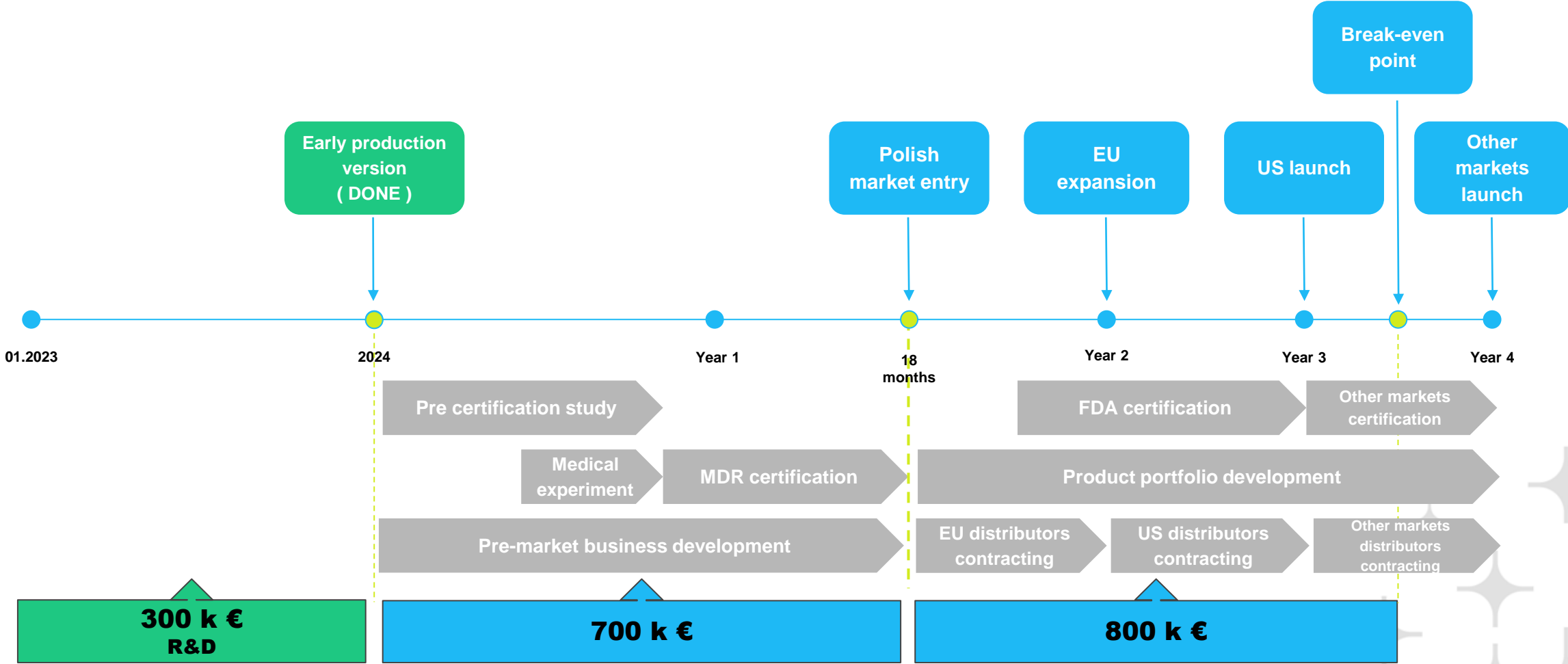


biofilm, stains,  
discoloration, tartar and  
light caries removal

Existing solutions are focused on hygiene aspects, not caries treatment.

# Project milestones

Estimated time to market – 18 months.





Join our journey  
to painless  
decay treatment.

